

# Product Datasheet

## PKC iota Antibody (1G11) - Azide and BSA Free H00005584-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00005584-M01**

PKC iota Antibody (1G11) - Azide and BSA Free

| Product Information         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Concentration               | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage                     | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Clonality                   | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Clone                       | 1G11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Preservative                | No Preservative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Isotype                     | IgG1 Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity                      | IgG purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Buffer                      | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Description                 | Quality control test: Antibody Reactive Against Recombinant Protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Host                        | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene ID                     | 5584                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Symbol                 | PRKCI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Species                     | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Specificity/Sensitivity     | PRKCI - protein kinase C, iota                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Immunogen                   | PRKCI (AAH22016, 1 a.a. ~ 587 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.<br>MSHTVAGGGSGDHSQVRVKAYYRGDIMITHFEPISFEGLCNEVRDMCSFD<br>NEQLFTMKWIDEEGDPCTVSSQLELEEAFLYELNKDSELLIHVFPCVPERPGM<br>PCPGEDKSIYRRGARRWRKLYCANGHTFQAKRFNRAHCAICTDRIWGLGRQ<br>GYKCINCKLLVHKKCHKLVITIECGRHSLPQEPVMPMDQSSMHSDHAQTVIPYN<br>PSSHESLDQVGEEKEAMNTRESGKASSSLGLQDFDLLRVIGRGSYAKVLLVRL<br>KKTDRYAMKVVKELVNDDEDIDWVQTEKHVFEQASNHPFLVGLHSCFQTES<br>RLFFVIEYVNGGDLFMHMQRQRKLPEEHARFYSAEISLALNYLHERGIIYRDLKL<br>DNVLLDSEGHILTDYGMCKEGLRPGDTTSTFCGTPNYIAPEILRGEDYGFSDV<br>WWALGVLMFEMMAGRSPFDIVGSSDNPQNTEDYLFQVILEKQIRIPRSM SVK<br>AASVLKSFLNKDPKERLGCLPQTGFADIQGHPPFRNVWDMMMEQKQVPPFK<br>PNISGEFGLDNFDSQFTNERVQLTPDDDDIVRKIDQSEFEGFEYINPLLSAEE<br>CV |
| Notes                       | This product is produced by and distributed for Abnova, a company based in Taiwan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Applications                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Knockdown Validated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Recommended Dilutions       | Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Knockdown Validated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Application Notes           | Antibody reactivity against recombinant protein for WB. It has been used for RNAi Validation and ELISA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

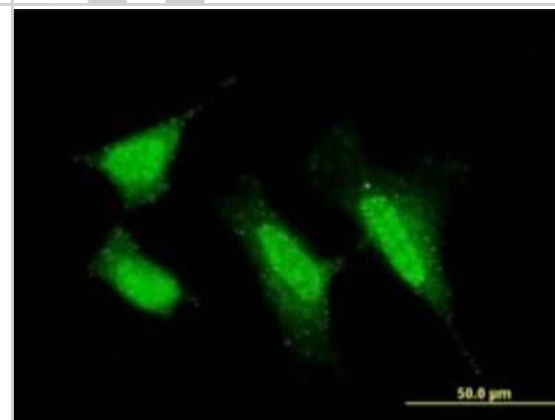


## Images

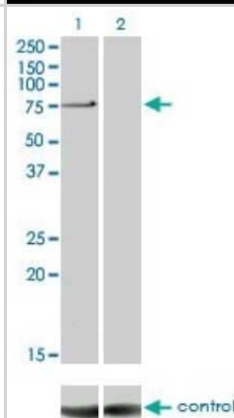
Western Blot: PKC iota Antibody (1G11) [H00005584-M01] - Analysis of PRKCI expression in transfected 293T cell line by PRKCI monoclonal antibody (M01), clone 1G11. Lane 1: PRKCI transfected lysate(68.3 KDa). Lane 2: Non-transfected lysate.



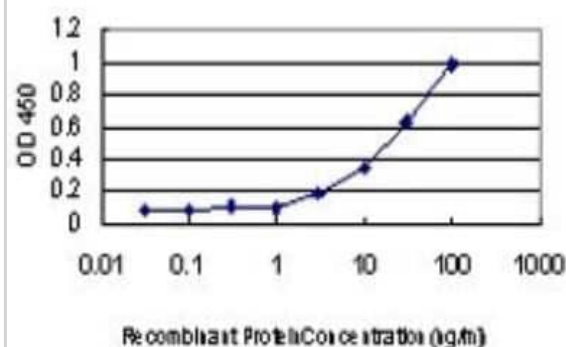
Immunocytochemistry/Immunofluorescence: PKC iota Antibody (1G11) [H00005584-M01] - Analysis of monoclonal antibody to PRKCI on HeLa cell . Antibody concentration 10 ug/ml.



Western Blot: PKC iota Antibody (1G11) [H00005584-M01] - Analysis of PRKCI over-expressed 293 cell line, cotransfected with PRKCI Validated Chimera RNAi ( Cat # H00005584-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with PRKCI monoclonal antibody (M01) clone 1G11 (Cat # H00005584-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.



ELISA: PKC iota Antibody (1G11) [H00005584-M01] - Detection limit for recombinant GST tagged PRKCI is approximately 3ng/ml as a capture antibody.



## Publications

Bambang IF, Lee YK, Richardson DR et al. Endoplasmic reticulum protein 29 regulates epithelial cell integrity during the mesenchymal-epithelial transition in breast cancer cells. *Oncogene* 2012-04-30 [PMID: 22543584] (WB, Human)



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### **Products Related to H00005584-M01**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBP3-18181-10ug  | Recombinant Human PKC iota His Protein                  |

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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