

# Product Datasheet

## CAP1 Antibody (4A9) - Azide and BSA Free H00010487-M02

Unit Size: 0.1 mg

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

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**H00010487-M02**

CAP1 Antibody (4A9) - 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               | 4A9                                                                                                              |
| Preservative        | No Preservative                                                                                                  |
| Isotype             | IgG1 Kappa                                                                                                       |
| Purity              | IgG purified                                                                                                     |
| Buffer              | In 1x PBS, pH 7.4                                                                                                |

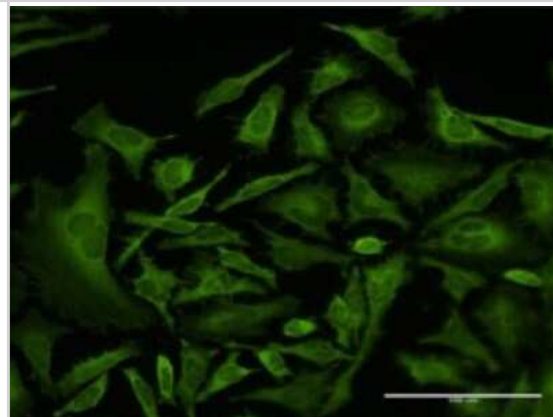
| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description             | Novus Biologicals Mouse CAP1 Antibody (4A9) - Azide and BSA Free (H00010487-M02) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-CAP1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.                                                                                                                                                                                                                                                                                                                                                                               |
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene ID                 | 10487                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Symbol             | CAP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity/Sensitivity | CAP1 - CAP, adenylate cyclase-associated protein 1 (yeast) (4A9)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Immunogen               | CAP1 (AAH13963, 1 a.a. ~ 475 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.<br>MADMQNQLVERLERAVGRLEAVSHTSDMHRGYADSPSKAGAAPYVQAFDSL<br>LLAGPVAEYLKISKEIGGDVQKHAEMVHTGLKLERALLVTASQCQQPAENKLSDLLA<br>PISEQIKEVITFREKNRGSKLNFHLSAVSESIQALGWVAMAPKPGPYVKEMNDA<br>AMFYTNRVLKEYKDVKKHVDWVKAYLSIWTELQAYIKEFHHTTGLAWSKTGPV<br>AKELSGLPSPGSPAGSGPPPPPPGPPPPPVSTSSGSDASRSALFAQINQGES<br>ITHALKHVSDDMKTHKNPALKAQSGPVRSGPKPFSAPKPQTSPSPKRATKKEP<br>AVLELEGKKWRVENQENVSNLVIEDTELKQVAYIYKCVNTTLQIKGKINSITVDN<br>CKKLGLVFDDVVGIVEIINSKDVKVQVMGKVPTISINKTDGCHAYLSKNSLDCEIV<br>SAKSSEMNVLIPTEGGDFNEFPVPEQFKTLWNGQKLVTTVTEIAG |
| Notes                   | This product is produced by and distributed for Abnova, a company based in Taiwan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Product Application Details |                                                                                                                                    |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA                                                       |
| Recommended Dilutions       | Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA                                                 |
| Application Notes           | Antibody Reactive Against Recombinant Protein with GST tag on ELISA and Western Blot. GST tag alone is used as a negative control. |

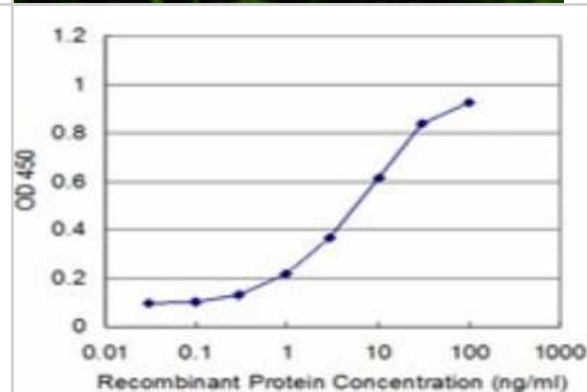


## Images

Immunocytochemistry/Immunofluorescence: CAP1 Antibody (4A9) [H00010487-M02] - Analysis of monoclonal antibody to CAP1 on HeLa cell . Antibody concentration 10 ug/ml.



Sandwich ELISA: CAP1 Antibody (4A9) [H00010487-M02] - Detection limit for recombinant GST tagged CAP1 is approximately 0.3ng/ml as a capture antibody.



## Publications

Anika H, Cara S, Sharof K et al. Functional interdependence of the actin regulators CAP1 and cofilin1 in control of dendritic spine morphology. Cell Mol Life Sci. 2022-10-20 [PMID: 36264429]

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**Products Related to H00010487-M02**

|                  |                                                         |
|------------------|---------------------------------------------------------|
| 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)           |
| NBP1-86644PEP    | CAP1 Recombinant Protein Antigen                        |

**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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