

# Product Datasheet

## PCCA Antibody - Azide and BSA Free H00005095-B01P

Unit Size: 0.05 mg

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

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### Publications: 4

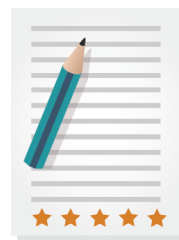
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**H00005095-B01P**

PCCA Antibody - Azide and BSA Free

| Product Information |                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------|
| Unit Size           | 0.05 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           | Polyclonal                                                                                                       |
| Preservative        | No Preservative                                                                                                  |
| Isotype             | IgG                                                                                                              |
| Purity              | Protein A purified                                                                                               |
| Buffer              | PBS (pH 7.4)                                                                                                     |

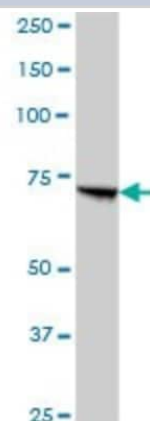
| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description             | Quality control test: Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene ID                 | 5095                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Symbol             | PCCA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Species                 | Human, Mouse, Bacteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity/Sensitivity | PCCA - propionyl Coenzyme A carboxylase, alpha polypeptide,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen               | PCCA (AAH00140.1, 1 a.a. - 703 a.a.) full-length human protein.<br>MLSAALRTLKHVLYYSRQCLMVSRNLGSVGYDPNEKTFDKILVANRGEIACRVI<br>RTCKKMGIKTVAIHSDVDASSVHVKMADEAVCVGPAPTSKSYLNMDAIMEAIIKK<br>TRAQAVHPGYGFLSENKEFARCLAAEDVVFIPDTHAIQAMGDKIESKLLAKKA<br>EVNTIPGFDGVVKDAEEAVRIAREIGYPVMIKASAGGGGKGMRIAWDDEETRD<br>GFRLSSQEAASSFGDDRLLIEKFIDNPRHIEIQVLGDKHGNALWLNERECSIQRR<br>NQKVVEEAPSIFLDAETRRAMGEQAVALARAVKYSSAGTVEFLVDSKKNFYFL<br>EMNTRLQVEHPVTECITGLDLVQEMIRVAKGYPLRHQADIRINGWAVECRVYA<br>EDPYKSFGLPSIGRLSQYQEPLHLPGVRVDSGIQPGSDISIYYDPMISKLITYGS<br>DRTEALKRMADALDNYVIRGVTHNIALREVIINSRFVKGDISTKFLSDVYPDGFK<br>GHMLTKSEKNQLLAIIASSLFVAFQLRAQHFQENSRMPVIKPDIANWELSVKLHD<br>KVHTVVASNNGSVFSVEVDGSKLNVSTWNLASPLLSVSDGTQRTVQCLSR<br>EAGGNMSIQFLGTVYKVNILTRLAAELNKFMLEKVTEDTSSVLRSPMPGVVVAV<br>SVKPGDAVAEGQEICVIEAMKMQNSMTAGKTGTVKSVHCQAGDTVGEGLLV<br>ELE |
| Notes                   | This product is produced by and distributed for Abnova, a company based in Taiwan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Product Application Details |                                                                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot                                                                                                                                                    |
| Recommended Dilutions       | Western Blot                                                                                                                                                    |
| Application Notes           | Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB and also on transfected lysate in WB. GST tag alone is used as a negative control. |

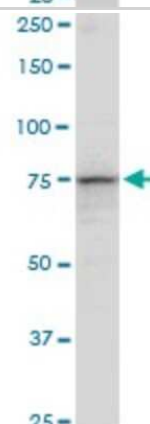


## Images

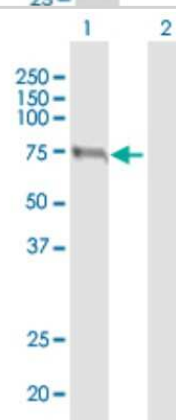
Western Blot: PCCA Antibody [H00005095-B01P] - Analysis of PCCA expression in human liver.



Western Blot: PCCA Antibody [H00005095-B01P] - Analysis of PCCA expression in U-2 OS.



Western Blot: PCCA Antibody [H00005095-B01P] - Analysis of PCCA expression in transfected 293T cell line by PCCA polyclonal antibody. Lane 1: PCCA transfected lysate(77.33 KDa). Lane 2: Non-transfected lysate.



## Publications

Anzmann AF, Pinto S, Busa V et al. Multi-omics studies in cellular models of methylmalonic acidemia and propionic acidemia reveal dysregulation of serine metabolism *Biochim Biophys Acta Mol Basis Dis* 2019-08-23 [PMID: 31449969] (WB, Human)

Meierhofer D, Halbach M, ?en NE et al. Ataxin-2 (Atxn2)-Knock-Out Mice Show Branched Chain Amino Acids and Fatty Acids Pathway Alterations. *Mol Cell Proteomics* 2016-02-05 [PMID: 26850065]

Majtan T, Kraus JP. Folding and activity of mutant cystathionine beta-synthase depends on the position and nature of the purification tag: Characterization of the R266K CBS mutant. *Protein Expr Purif.* 2012-02-08 [PMID: 22333527]

Chandler RJ, Chandrasekaran S, Carrillo-Carrasco N et al. Adeno-associated virus serotype 8 (AAV8) Gene Transfer Rescues a Neonatal Lethal Murine Model of Propionic Acidemia. *Hum Gene Ther.* 2010-10-15 [PMID: 20950151]



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### **Products Related to H00005095-B01P**

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|                |                                                         |
|----------------|---------------------------------------------------------|
| HAF007         | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B        | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-97019-5mg | Mouse IgG Isotype Control                               |
| NBP2-13735PEP  | PCCA Recombinant Protein Antigen                        |

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### **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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