

# Product Datasheet

## PRKCDBP Antibody - Azide and BSA Free NBP1-44091

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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### Publications: 4

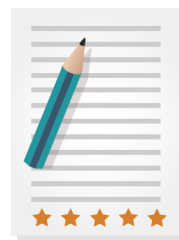
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**NBP1-44091**

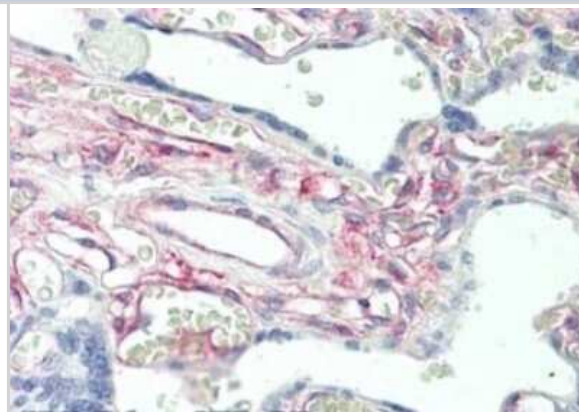
PRKCDBP Antibody - Azide and BSA Free

| Product Information         |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit Size                   | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Concentration               | Please see the vial label for concentration. If unlisted please contact technical services.                                                                                                                                                                                                                                                                                                                                                            |
| Storage                     | Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                               |
| Clonality                   | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Preservative                | No Preservative                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Isotype                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Purity                      | Immunogen affinity purified                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Buffer                      | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 30% Glycerol                                                                                                                                                                                                                                                                                                                                                                               |
| Product Description         |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Description                 | <p>This antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p> |
| Host                        | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene ID                     | 112464                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Symbol                 | CAVIN3                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Species                     | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity Notes            | A BLAST analysis was used to suggest cross-reactivity with rat, human, and mouse based on 100% sequence homology. Cross-reactivity with PRKCDBP from other sources has not been determined.                                                                                                                                                                                                                                                            |
| Specificity/Sensitivity     | A BLAST analysis was used to suggest cross-reactivity with rat, human, and mouse based on 100% sequence homology. Cross-reactivity with PRKCDBP from other sources has not been determined.                                                                                                                                                                                                                                                            |
| Immunogen                   | PRKCDBP antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the C-terminal region of human PRKCDBP. (Uniprot: Q969G5)                                                                                                                                                                                                                                                           |
| Product Application Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Applications                | Western Blot, ELISA, Immunohistochemistry                                                                                                                                                                                                                                                                                                                                                                                                              |
| Recommended Dilutions       | Western Blot 1ug/ml, ELISA 1:10000, Immunohistochemistry 5 ug/ml                                                                                                                                                                                                                                                                                                                                                                                       |
| Application Notes           | This product is tested in immunohistochemistry and ELISA and useful for Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~37kDa corresponding to the appropriate cell lysate or extract.                                                                                                                                                                                              |

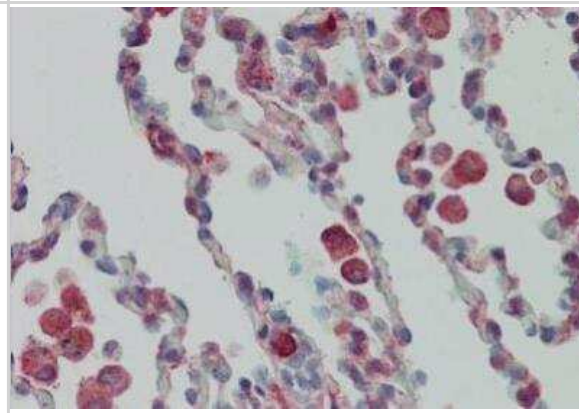


## Images

Immunohistochemistry: PRKCDBP Antibody [NBP1-44091] - Tissue: Placenta. Fixation: formalin fixed paraffin embedded. Primary antibody: Anti-Protein Kinase C delta Binding Protein at 5 ug/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: Protein Kinase C delta Binding Protein as precipitated red signal with hematoxylin purple nuclear counterstain.



Immunohistochemistry: PRKCDBP Antibody [NBP1-44091] - Tissue: Lung. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Incubated at 5 ug/mL for 1 h at RT.



## Publications

McMahon KA, Stroud DA, Gambin Y et al. Cavin3 released from caveolae interacts with BRCA1 to regulate the cellular stress response eLife 2021-06-18 [PMID: 34142659]

Bastiani M, Liu L, Hill MM et al. MURC/Cavin-4 and cavin family members form tissue-specific caveolar complexes. J Cell Biol 2009-06-01 [PMID: 19546242]

McMahon KA, Zajicek H, Li WP et al. SRBC/cavin-3 is a caveolin adapter protein that regulates caveolae function. EMBO J 2009-04-22 [PMID: 19262564]

Izumi Y, Hirai S, Tamai Y, Fujise-Matsuoka A, Nishimura Y, Ohno S A protein kinase Cdelta-binding protein SRBC whose expression is induced by serum starvation. J Biol Chem;272(11):7381-9. 1997-03-14 [PMID: 9054438]



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### **Products Related to NBP1-44091**

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|                    |                                                     |
|--------------------|-----------------------------------------------------|
| HAF008             | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160             | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891         | Rabbit IgG Isotype Control                          |
| H00112464-Q01-10ug | Recombinant Human PRKCDBP GST (N-Term) Protein      |

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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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