

PRKCDBP Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7787c**Specification**

PRKCDBP Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q969G5](#)**PRKCDBP Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 112464**Other Names**

Protein kinase C delta-binding protein, Cavin-3, Serum deprivation response factor-related gene product that binds to C-kinase, hSRBC, PRKCDBP, SRBC

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7787c](/products/AP7787c) was selected from the Center region of human PRKCDBP. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PRKCDBP Antibody (Center) Blocking Peptide - Protein Information**Name** CAVIN3 ([HGNC:9400](#))**Synonyms** PRKCDBP, SRBC**Function**

Regulates the traffic and/or budding of caveolae (PubMed: [19262564](http://www.uniprot.org/citations/19262564)). Plays a role in caveola formation in a tissue- specific manner. Required for the formation of caveolae in smooth muscle but not in the lung and heart endothelial cells. Regulates the equilibrium between cell surface-associated and cell surface- dissociated caveolae by promoting the rapid release of caveolae from the cell surface. Plays a role in the regulation of the circadian clock. Modulates the period length and phase of circadian gene expression and also regulates expression and interaction of the core clock components PER1/2 and CRY1/2 (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q91VJ2}. Membrane, caveola. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q91VJ2}. Note=Localizes in the caveolae in a caveolin-dependent manner.

Tissue Location

Skeletal muscle, liver, stomach, lung, kidney and heart (at protein level). Strongly expressed in mammary and epithelial cells.

PRKCDBP Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PRKCDBP Antibody (Center) Blocking Peptide - Images**PRKCDBP Antibody (Center) Blocking Peptide - Background**

PRKCDBP was identified as a binding protein of the protein kinase C, delta (PRKCD). The expression of this protein in cultured cell lines is strongly induced by serum starvation, and was found to be down-regulated in various cancer cell lines, suggesting the possible tumor suppressor function of this protein.

PRKCDBP Antibody (Center) Blocking Peptide - References

Lee,J.H., Int. J. Cancer 122 (7), 1573-1584 (2008)Zochbauer-Muller,S., Oncogene 24 (41), 6249-6255 (2005)Xu,X.L., Cancer Res. 61 (21), 7943-7949 (2001)