

**Goat Anti-PRKCDBP Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2193a****Specification**

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**Goat Anti-PRKCDBP Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q969G5</a>
Other Accession	<a href="#">NP_659477</a> , <a href="#">112464</a> , <a href="#">109042 (mouse)</a> , <a href="#">85332 (rat)</a>
Reactivity	Human, Mouse
Predicted	Rat, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	27701

**Goat Anti-PRKCDBP Antibody - 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

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-PRKCDBP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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

Regulates the traffic and/or budding of caveolae (PubMed:<a href="http://www.uniprot.org/citations/19262564" target="\_blank">19262564</a>). 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.

### Goat Anti-PRKCDBP Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Goat Anti-PRKCDBP Antibody - Images



AF2193a (0.1 µg/ml) staining of Human Adipose cell lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-PRKCDBP Antibody - Background

The protein encoded by this gene was identified as a binding protein of the protein kinase C, delta

(PRKCD). The expression of this gene in cultured cell lines is strongly induced by serum starvation. The expression of this protein was found to be down-regulated in various cancer cell lines, suggesting the possible tumor suppressor function of this protein.

#### **Goat Anti-PRKCDBP Antibody - References**

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Frequent inactivation of hSRBC in ovarian cancers by promoter CpG island hypermethylation. Tong SY, et al. Acta Obstet Gynecol Scand, 2010 May. PMID 20423276.

Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.

Multi-ethnic genetic association study of carotid intima-media thickness using a targeted cardiovascular SNP microarray. Lanktree MB, et al. Stroke, 2009 Oct. PMID 19679847.

The DNA methylome of pediatric acute lymphoblastic leukemia. Davidsson J, et al. Hum Mol Genet, 2009 Nov 1. PMID 19679565.