

Rabbit PRKCDBP Polyclonal Antibody | anti-PRKCDBP antibody

PRKCDBP Antibody

CATALOG # AAA322862	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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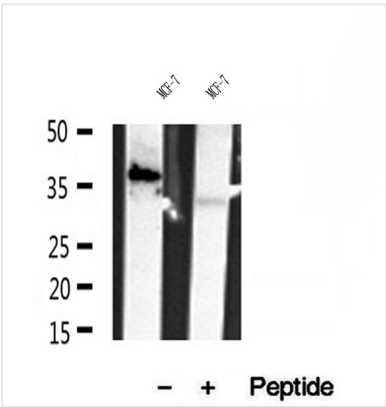
PRODUCT SYNONYMS

PRKCDBP; Polyclonal Antibody; PRKCDBP Antibody; Cavin 3; Cavin-3; CAVIN3; hSRBC; MGC20400; PRDBP_HUMAN; Prkcdbp; Protein kinase C delta binding protein; Protein kinase C delta-binding protein; Sdr related gene product that binds to c kinase; Serum deprivation response factor related gene product that binds to C kinase; Serum deprivation response factor-related gene product that binds to C-kinase; SRBC; anti-PRKCDBP antibody

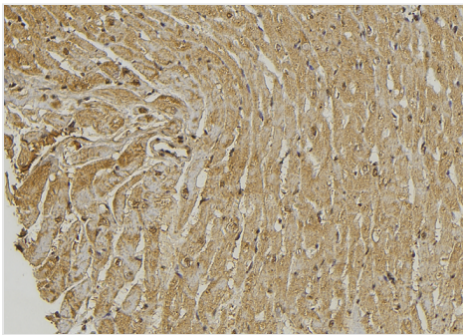
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PRKCDBP antibody detects endogenous levels of PRKCDBP.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	261
Applicable Applications for anti-PRKCDBP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PRKCDBP.
Subcellular Location	Cytoplasm.
Tissue Specificity	Skeletal muscle, liver, stomach, lung, kidney and heart (at protein level). Strongly expressed in mammary and epithelial cells.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (91%), Horse (100%), Sheep (82%), Rabbit (91%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of MCF-7 cells, using PRKCDBP antibody.



IHC (Immunohistochemistry)
AAA322862 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PRKCDBP antibody	Function: Regulates the traffic and/or budding of caveolae (PubMed: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). Subunit Structure: Component of the CAVIN complex composed of CAVIN1, CAVIN2, CAVIN3 and CAVIN4. Interacts with PRKCD and with phosphatidylserine. Phosphatidylserine may form a bridge between PKC and PKC-binding partners and stabilize the binding. Interacts with PER2. Interacts with CAVIN1 (By similarity). Interacts (via leucine-zipper domain) with CAV1 in a cholesterol-sensitive manner (PubMed:19262564). Interacts with EPS15L1 (PubMed:19262564). Post-translational Modifications: In vitro, phosphorylated by PRKCD. Similarity: The leucine-zipper domain is essential for its localization in the caveolae and for its interaction with CAV1 and EPS15L1. Belongs to the CAVIN family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47132587
NCBI GeneID	112464
NCBI Accession #	NP_659477.2
NCBI GenBank Nucleotide #	NM_145040.2
UniProt Accession #	Q969G5
Molecular Weight	Observed: 35-40 kDa Predicted: 28 kDa
NCBI Official Full Name	caveolae-associated protein 3
NCBI Official Synonym Full Names	caveolae associated protein 3
NCBI Official Symbol	CAVIN3
NCBI Official Synonym Symbols	SRBC; HSRBC; PRKCDBP; cavin-3
NCBI Protein Information	caveolae-associated protein 3
UniProt Protein Name	Caveolae-associated protein 3
UniProt Gene Name	CAVIN3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prkcdbp-antibody-immunohistochemistry-western-blot-elisa/322862>