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Prkcdbp Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13226

Product Information

Application	WB
Primary Accession	Q91VJ2
Other Accession	NM_028444, NP_082720
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27853

Additional Information

Gene ID	109042
Alias Symbol	3110015B12Rik, 6330514M23Rik, MGC6598, SRBC
Other Names	Protein kinase C delta-binding protein, Cavin-3, Serum deprivation response factor-related gene product that binds to C-kinase, Prkcdbp, Srbc
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Prkcdbp antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Prkcdbp Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

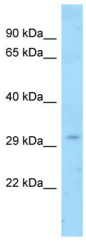
Name	Cavin3
Synonyms	Prkcdbp, Srbc
Function	Regulates the traffic and/or budding of caveolae (By similarity). Plays a role in caveola formation in a tissue-specific manner. Required for the formation of caveolae in smooth muscle but not in the lung and heart endothelial cells (PubMed:23652019, PubMed:28285351). Regulates the equilibrium between cell surface- associated and cell surface-dissociated caveolae by promoting the rapid release of caveolae from the cell surface (PubMed:25588833). 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 (PubMed:23079727).
Cellular Location	Cytoplasm. Cytoplasm, cytosol. Membrane, caveola Note=Localizes in the caveolae in a caveolin-dependent manner
Tissue Location	Lung, heart, skeletal muscle, liver, brain, vascular and urinary bladder smooth muscle (at protein level). Strongly expressed in uterus, ovary, mammary and epithelial cells. Also expressed in spleen, intestine, kidney and testis

References

Carninci P.,et al.Science 309:1559-1563(2005).
Izumi Y.,et al.J. Biol. Chem. 272:7381-7389(1997).
Villen J.,et al.Proc. Natl. Acad. Sci. U.S.A. 104:1488-1493(2007).
Schneider K.,et al.EMBO Rep. 13:1138-1144(2012).

Images



WB Suggested Anti-Prkcdbp Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Stomach

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.