

Prkcdbp Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13226**Specification**

Prkcdbp Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O91VJ2
Other Accession	NM_028444 , NP_082720
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28kDa KDa

Prkcdbp Antibody - N-terminal region - 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.

Prkcdbp Antibody - N-terminal region - 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: <http://www.uniprot.org/citations/28285351>)

target="_blank">28285351, PubMed:23652019). 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

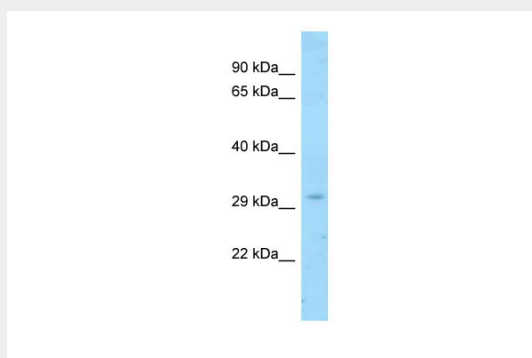
Lung, heart, skeletal muscle, liver, brain, vascular and urinary bladder smooth muscle (at protein level). Strongly expressed in uterus, ovary, mammary and epithelial cells. Also expressed in spleen, intestine, kidney and testis

Prkcdbp Antibody - N-terminal region - 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](#)

Prkcdbp Antibody - N-terminal region - Images



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

Prkcdbp Antibody - N-terminal region - 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).