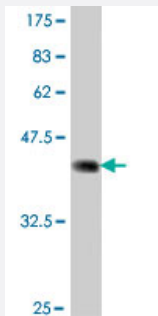


PRKD1 polyclonal antibody (A01)

Catalog # H00005587-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (36.12 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant PRKD1.
Immunogen	PRKD1 (NP_002733, 314 a.a. ~ 404 a.a) partial recombinant protein with GST tag.
Sequence	PKVPNNCLGEVTINGDLLSPGAESDVVMEEGSDDNDSERNNSGLMDDMEEAMVQDAEMAMAEC QNDSGEMQDPDPDHEDANRTISPSTSNNI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (88)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.12 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PRKD1

Entrez GeneID [5587](#)

GeneBank Accession# [NM_002742](#)

Protein Accession# [NP_002733](#)

Gene Name PRKD1

Gene Alias PKC-MU, PKCM, PKD, PRKCM

Gene Description protein kinase D1

Omim ID [605435](#)

Gene Ontology [Hyperlink](#)

Gene Summary Members of the protein kinase C (PKC) family function in many extracellular receptor-mediated signal transduction pathways. See PRKCA (MIM 176960) for further background information. The PRKCM gene encodes a cytosolic serine-threonine kinase that binds to the trans-Golgi network and regulates the fission of transport carriers specifically destined to the cell surface.[supplied by OMIM]

Other Designations protein kinase C, mu

Publication Reference

- [PKD Phosphorylation as Novel Pathway of KV11.1 Regulation.](#)

Steffensen AB, Bomholtz SH, Andersen MN, Olsen JV, Mutsaers N, Lundegaard PR, Lundby A, Schmitt N.

Cellular Physiology and Biochemistry 2018 Jun; 47(4):1742.

Application: WB-Tr, Human, HEK 293 cells

- [Protein Kinase D1 regulates focal adhesion dynamics and cell adhesion through Phosphatidylinositol-4-phosphate 5-kinase type-I \$\gamma\$.](#)

Durand N, Bastea LI, Long J, Döppler H, Ling K, Storz P.

Scientific Reports 2016 Oct; 6:35963.

Application: IF, Mouse, NIH-3T3, MCF-7 cells

- [Small heat shock protein 20 \(Hsp20\) facilitates nuclear import of protein kinase D 1 \(PKD1\) during cardiac hypertrophy.](#)

Sin YY, Martin TP, Wills L, Currie S, Baillie GS.

Cell Communication and Signaling 2015 Mar; 13:16.

Application: IP, WB, Rat, Cardiac myocytes

Disease

- [Genetic Predisposition to Disease](#)
- [Narcolepsy](#)