

Datasheet for ABIN677333
anti-Caldesmon antibody (pSer789)



[Go to Product page](#)

1 Publication

Overview

Quantity:	100 µL
Target:	Caldesmon (CALD1)
Binding Specificity:	pSer789
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caldesmon antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Caldesmon around the phosphorylation site of Ser789
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Caldesmon (CALD1)
Alternative Name:	Caldesmon (CALD1 Products)
Background:	<p>Synonyms: Caldesmon S789, Caldesmon Ser789, p-Caldesmon S789, p-Caldesmon Ser789, p-Caldesmon Ser789, CAD, CALD 1, CALD1, CALD1_HUMAN, Caldesmon 1, Caldesmon 1 Isoform 1, Caldesmon 1 Isoform 2, Caldesmon 1 Isoform 3, Caldesmon 1 Isoform 4, Caldesmon 1 Isoform 5, Caldesmon, Caldesmon1, CDM, H CAD, HCAD, L CAD, LCAD, MGC21352, NAG22.</p> <p>Background: This gene encodes a calmodulin- and actin-binding protein that plays an essential role in the regulation of smooth muscle and nonmuscle contraction. The conserved domain of this protein possesses the binding activities to Ca(2+)-calmodulin, actin, tropomyosin, myosin, and phospholipids. This protein is a potent inhibitor of the actin-tropomyosin activated myosin MgATPase, and serves as a mediating factor for Ca(2+)-dependent inhibition of smooth muscle contraction. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Jul 2008].</p>
Gene ID:	800
Pathways:	Myometrial Relaxation and Contraction

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Prayitnaningsih, Sujuti, Effendi, Abdullah, Anandita, Yohana, Permatasari, Widodo: "Neuropathy optic glaucomatosa induced by systemic hypertension through activation endothelin-1 signaling pathway in central retinal artery in rats." in: International journal of ophthalmology , Vol. 9, Issue 11, pp. 1568-1577, (2016) (PubMed).
-------------------	--