

Caldesmon (phospho Ser759) Polyclonal Antibody

Catalog No: #14027



Package Size: #14027-1 50ul #14027-2 100ul

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Description

Product Name	Caldesmon (phospho Ser759) Polyclonal Antibody
Host Species	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	IHC-p,IF(paraffin section),ELISA
Species Reactivity	Human,Mouse,Rat
Specificity	Phospho-Caldesmon (S759) Polyclonal Antibody detects endogenous levels of Caldesmon protein only when phosphorylated at S759.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human Caldesmon around the phosphorylation site of Ser759. AA range:725-774
Other Names	CALD1; CAD; CDM; Caldesmon; CDM
Accession No.	Swiss Prot:Q05682GeneID:800
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

Background

caldesmon 1(CALD1) Homo sapiens 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].

Note: This product is for in vitro research use only and is not intended for use in humans or animals.