

Phospho-Caldesmon (S759) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-PHS01084
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Caldesmon around the phosphorylation site of Ser759. AA range:725-774
Mol wt	high molecular weight (predominantly in smooth muscles) (120-150 KD) and a low molecular weight (60
Species reactivity	Human, mouse, rat
Clonality	Polyclonal
Recommended application	IHC-p, ELISA
Concentration	1 mg/ml
Full name	Phospho-Caldesmon (S759) Antibody
Synonyms	CALD1; CAD; CDM; Caldesmon; CDM

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CALD1 (caldesmon 1) 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.

Recommended Dilution

IHC: 1: 100 - 1: 300

ELISA: 1: 10000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for one year

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