

Phospho-Caldesmon (S789) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-PHS00874
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 Ser789. AA range:744-793
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	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Phospho-Caldesmon (S789) 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 encodes a calmodulin- and actin-binding protein (caldesmon 1) 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 CALD1 results in multiple transcript variants encoding distinct isoforms.

Recommended Dilution

WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

ELISA: 1: 5000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for one year