

A10768

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## CALD1 Rabbit mAb

Catalog No.: A10768

Recombinant

### Basic Information

#### Observed MW

70kDa

#### Calculated MW

93kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

WB, IHC-P, IF/ICC, IP, ELISA

#### Cross-Reactivity

Human, Mouse, Rat

### 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.

### Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	1:20 - 1:50

### Immunogen Information

Gene ID	Swiss Prot
800	Q05682

#### Immunogen

Recombinant protein of human CALD1

#### Synonyms

CDM; HCAD; LCAD; h-CD; H-CAD; L-CAD; NAG22; CALD1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

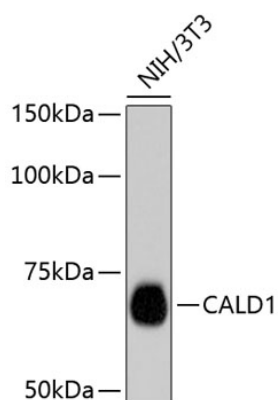
#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of NIH/3T3 cells, using CALD1 antibody (A10768).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.