

## Caldesmon Recombinant Rabbit mAb

Catalog: BS45546

Host: Rabbit

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. [provided by RefSeq, Jul 2008]

### Product:

Store at -20 °C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

### Molecular Weight:

70-80 kDa

### Swiss-Prot:

Q05682

### Purification&Purity:

Affinity Purification

### Applications:

WB: 1:2000-1:10000 IHC: 1:20 ICC/IF:  
1:50-1:200 FC: 1:20 IP: 1:20

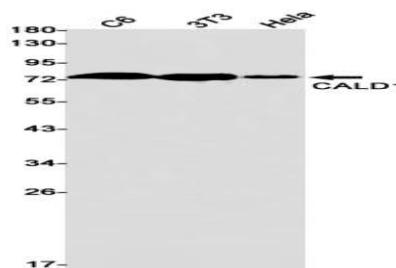
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Isotype:

IgG

### DATA:



Western blot detection of CALD1 in C6,3T3,HeLa cell lysates using CALD1 antibody(1:1000 diluted).

### Note:

For research use only, not for use in diagnostic procedure.

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