

## CALD1

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:** 63kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human CALD1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CDM; HCAD; LCAD; H-CAD; L-CAD; NAG22

**Catalog #:** A5366

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 800

**Isotype:** IgG

**Swiss Prot:** Q05682

**Purity:** Affinity purification

For research use only.

**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.

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