

Calponin Antibody

Rabbit mAb Catalog # AP90252

Product Information

Application WB, IHC, IF, ICC, IHF

Primary Accession P51911

Reactivity Rat, Pig, Human, Mouse, Dog

Clonality Monoclonal

Other Names Calponin-1; Basic calponin; Calponin H1, smooth muscle; CNN1

IsotypeRabbit IgGHostRabbitCalculated MW33170

Additional Information

Dilution WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human Calponin

Description Calponin regulates smooth muscle cell contraction and is a marker of smooth

muscle cell differentiation. Calponin, an Actin- and Tropomyosin-binding protein, is characterized as an inhibitory factor of smooth-muscle actomyosin activity. Calponin is implicated in the regulation of smooth muscle contraction through its interaction with F-Actin and inhibition of the Actin-activated

MgATPase activity of phosphorylated Myosin.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

Protein Information

Name CNN1

Function Thin filament-associated protein that is implicated in the regulation and

modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin and tropomyosin. The interaction of calponin with actin inhibits

the actomyosin Mg-ATPase activity (By similarity).

Tissue Location Smooth muscle, and tissues containing significant amounts of smooth muscle

Images

Western blot analysis of Calponin expression in Mouse stomach lysate.

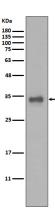


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Immunohistochemical analysis of paraffin-embedded human breast, using Calponin Antibody.

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