



Calponin 1 mouse mAb

Catalog No	YP-mAb-15719
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CNN1
Immunogen	Synthesized peptide derived from human Calponin 1 AA range: 111-160
Specificity	This antibody detects endogenous levels of Human Calponin 1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CNN1;Basic calponin;Calponin 1;Calponin-1;CNN 1;Calponin-1 (Basic calponin; Calponin H1;smooth muscle); smooth muscle)
Observed Band	35 kDa
Calculated Molecular Weight	33 kDa
Cell Pathway	
Tissue Specificity	Smooth muscle, and tissues containing significant amounts of smooth muscle.
Function	function:Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is caMABLE of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity.,similarity:Belongs to the calponin family.,similarity:Contains 1 CH (calponin-homology) domain.,similarity:Contains 3 calponin-like repeats.,subunit:Part of cGMP kinase signaling complex at least composed of ACTA2/alpha-actin, CNN1/calponin H1, PLN/phospholamban, PRKG1 and ITPR1.,tissue specificity:Smooth muscle, and tissues containing significant amounts of smooth muscle.,
Background	

**matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images