



Calponin 2 Monoclonal Antibody

Catalog No	YP-mAb-03095
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CNN2
Immunogen	The antiserum was produced against synthesized peptide derived from human CNN2. AA range:121-170
Specificity	Calponin 2 Monoclonal Antibody detects endogenous levels of Calponin 2 protein.
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	calponin 2;Calponin H2;smooth muscle;CNN2;Neutral calponin;Calponin-2
Observed Band	33kD
Calculated Molecular Weight	33kD
Cell Pathway	stress fiber,cytoskeleton,cell-cell junction,cell-cell adherens junction,focal adhesion,membrane,extracellular exosome,
Tissue Specificity	Heart and 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.,tissue specificity:Heart and smooth muscle.,
Background	The protein encoded by this gene, which can bind actin, calmodulin, troponin C, and tropomyosin, may function in the structural organization of actin filaments. The encoded protein could play a role in smooth muscle contraction and cell



adhesion. Several pseudogenes of this gene have been identified, and are present on chromosomes 1, 2, 3, 6, 9, 11, 13, 15, 16, 21 and 22. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2015],

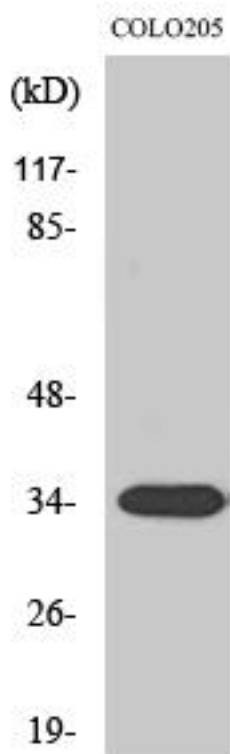
matters needing attention

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



Western Blot analysis of various cells using Calponin 2 Monoclonal Antibody