



# Calponin 2 Monoclonal Antibody

<b>Catalog No</b>	BYmab-03095
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	CNN2
<b>Protein Name</b>	Calponin-2
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CNN2. AA range:121-170
<b>Specificity</b>	Calponin 2 Monoclonal Antibody detects endogenous levels of Calponin 2 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CNN2; Calponin-2; Calponin H2; smooth muscle; Neutral calponin
<b>Observed Band</b>	33kD
<b>Cell Pathway</b>	stress fiber, cytoskeleton, cell-cell junction, cell-cell adherens junction, focal adhesion, membrane, extracellular exosome,
<b>Tissue Specificity</b>	Heart and smooth muscle.
<b>Function</b>	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.,
<b>Background</b>	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

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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],

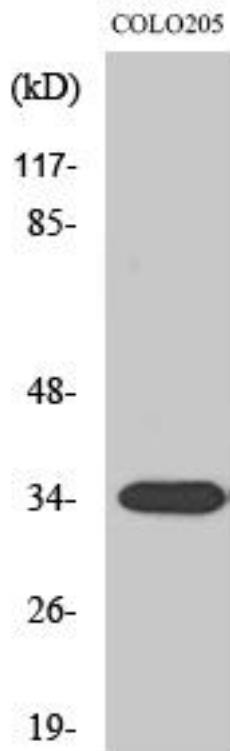
**matters needing attention**

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