Datasheet for ABIN7266040

anti-CNN1 antibody (AA 130-180)

2 Images

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Overview

Quantity:	100 µL
Target:	CNN1
Binding Specificity:	AA 130-180
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNN1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Calponin Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 130-180 of human Calponin (NP_001290.2).
Sequence:	MAKTKGNKVN VGVKYAEKQE RKFEPGKLRE GRNIIGLQMG TNKFASQQGM T
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

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Target Details

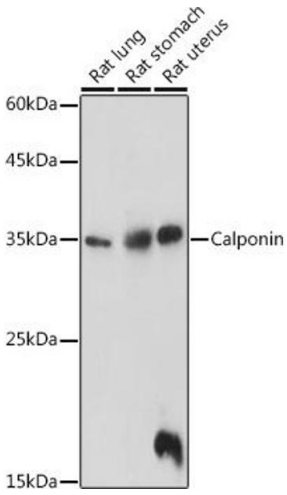
Target:	CNN1
Alternative Name:	CNN1 (CNN1 Products)
Background:	Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity (By similarity.,CNN1,HEL-S-14,SMCC,Sm-Calp,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Microfilaments,Stem Cells,Mesenchymal Stem Cells,Cardiovascular,Cardiovascular Markers,Smooth Muscle Cells,CNN1
Molecular Weight:	31kDa/33kDa
Gene ID:	1264
UniProt:	P51911

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

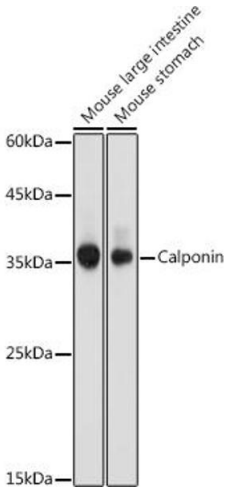
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Calponin antibody (ABIN7266040) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Calponin antibody (ABIN7266040) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.

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