Calponin-1 (R349O) Rabbit mAb

CatalogNo: AR0407 Recombinant FSS™

•Main information

Target	Calponin-1
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
MW (kDa)	33kD (Calculated) 33kD (Observed)
Host Species	Rabbit
Isotype	IgG,Kappa

•Recommended Dilutions

IHC 1:200-1:1000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 (Cat#RH0011)

•Detailed information

Specificity	Endogenous
Storage	-15°C to -25°C/1 year(Do not lower than -25°C, Ship by ice bag)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Purification	Protein A
Clonality	Monoclonal
Clone Number	R349O

•Target Information

Gene name CNN1

Protein Name Calponin-1

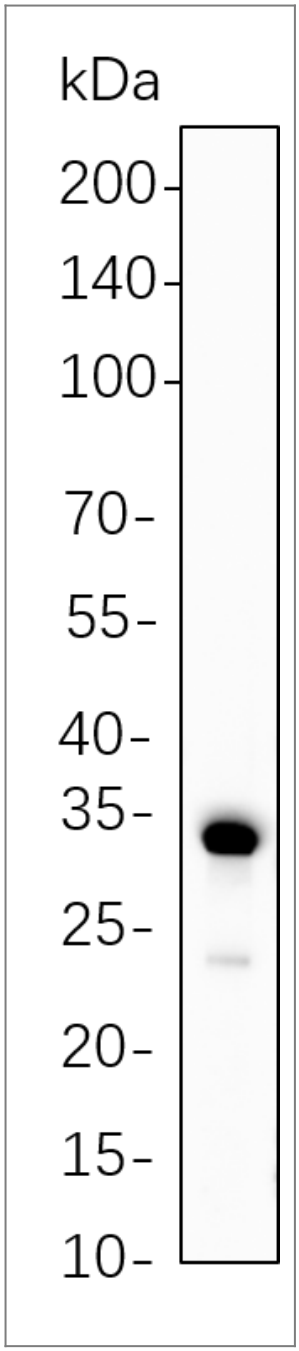
Organism	Gene ID	UniProt ID
Human	1264;	P51911;

Cellular Localization Cytoplasm

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 capable 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.,

•Validation Data



Western Blot analysis was performed using Rat lung cell lysates , and proteins were separated by 4–20% SDS-PAGE.

•Contact information

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