

Calponin-1 (R349O) Rabbit mAb

CatalogNo: AR0407 Recombinant FSS™

•Main information

Target	Calponin-1	IHC 1:200-1:1000
Reactivity	Human,Mouse,Rat	WB 1:2000-1:10000
Applications	WB,IHC,IF,ELISA	IF 1:200-1:1000
MW (kDa)	33kD (Calculated) 33kD (Observed)	ELISA 1:5000-1:20000
Host Species	Rabbit	Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 (Cat#RH0011)
Isotype	IgG,Kappa	

•Recommended Dilutions

Target	IHC 1:200-1:1000
Reactivity	WB 1:2000-1:10000
Applications	IF 1:200-1:1000
MW (kDa)	ELISA 1:5000-1:20000
Host Species	Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 (Cat#RH0011)
Isotype	

•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

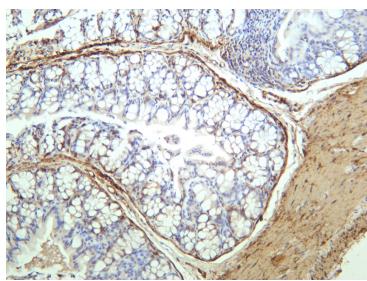
•Target Information

Gene name CNN1**Protein Name** Calponin-1

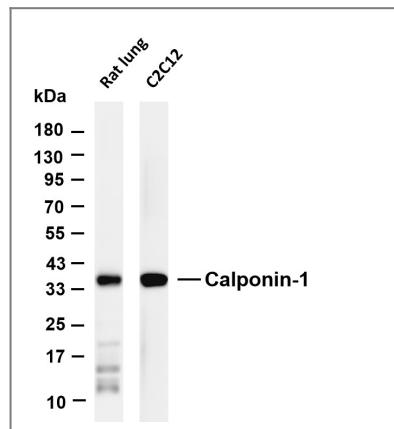
Organism	Gene ID	UniProt ID
Human	1264 ;	P51911 ;

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.,

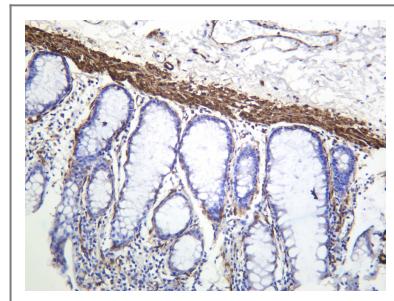
•Validation Data



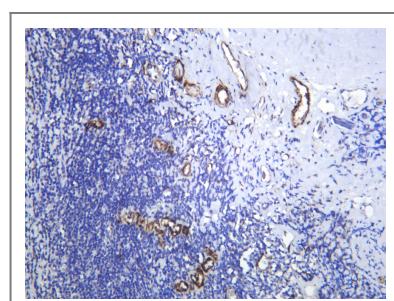
Mouse colon was stained with anti-Calponin-1 rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Calponin-1 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Rat lung Lane 2: C2C12 Predicted band size: 33kDa Observed band size: 33kDa



Human colon was stained with anti-Calponin-1 Rabbit antibody



Human tonsil was stained with anti-Calponin-1 Rabbit antibody

•Contact information

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Please scan the QR code to access additional product information:
**Calponin-1 (R3490)
Rabbit mAb**

