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Anti-Calponin 2 Antibody

Catalog # AP60255

Product Information

Application	WB, IF/IC
Primary Accession	Q99439
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33697

Additional Information

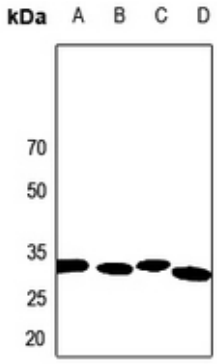
Gene ID	1265
Other Names	Calponin-2; Calponin H2, smooth muscle; Neutral calponin
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Calponin 2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

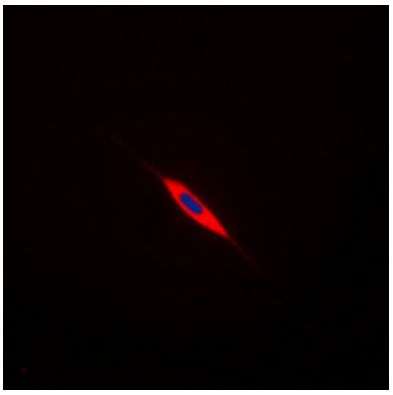
Protein Information

Name	CNN2
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 and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity.
Tissue Location	Heart and smooth muscle.

Images

Western blot analysis of Calponin 2 expression in Hela (A), mouse muscle (B), rat heart (C), rat muscle (D) whole cell lysates. (Predicted band size: 33 kD; Observed band size: 34 kD)





Immunofluorescent analysis of Calponin 2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.