



# Calponin-1 mouse mAb(ABT133)

<b>Catalog No</b>	BYab-15540
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	IHC, WB
<b>Gene Name</b>	CNN1
<b>Protein Name</b>	Calponin-1
<b>Immunogen</b>	Synthesized peptide derived from human Calponin-1
<b>Specificity</b>	The antibody can specifically recognize human and mouse calponin-1 protein. In western blotting of HeLa, LnCap and mouse muscle lysates, the antibody can label a 34KDa band corresponding to calponin-
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.146% sodium azide.
<b>Source</b>	Mouse, Monoclonal/IgG2a, kappa
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Dilution</b>	IHC-p 1:100-500, WB 1:200-1000, IF 1:100-500
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Calponin-1 (Basic calponin; Calponin H1, smooth muscle)
<b>Observed Band</b>	
<b>Cell Pathway</b>	cytoskeleton, focal adhesion,
<b>Tissue Specificity</b>	Smooth muscle, and tissues containing significant amounts of smooth muscle.
<b>Function</b>	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.,

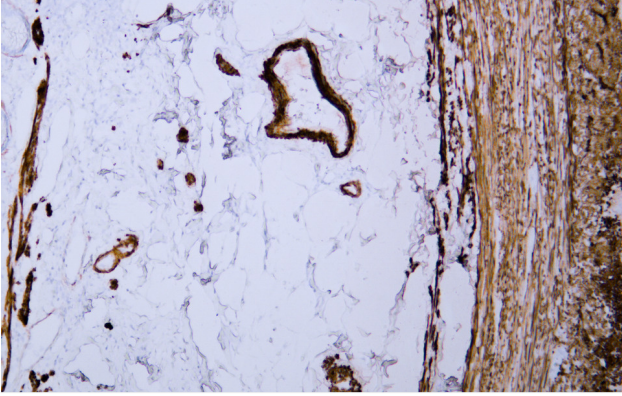
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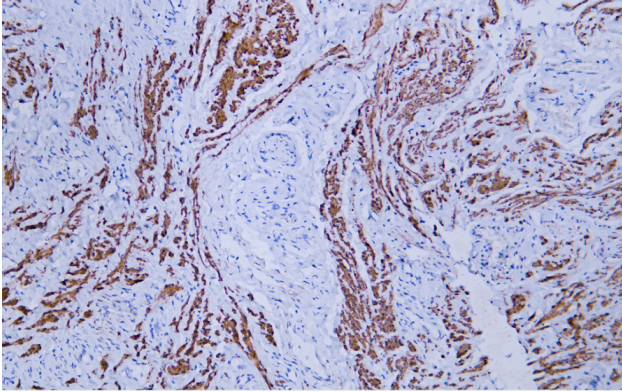
<b>Background</b>	ERROR 42
<b>matters needing attention</b>	Avoid repeated freezing and thawing!
<b>Usage suggestions</b>	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



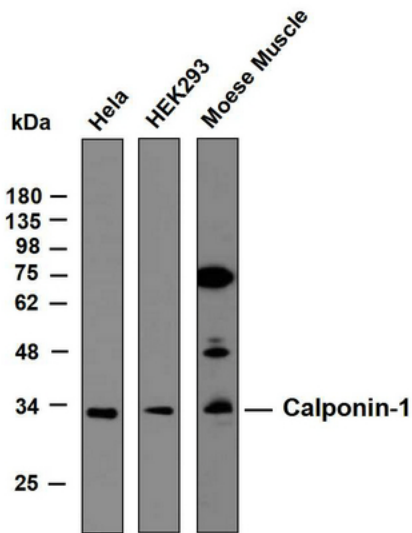
## Products Images



Human appendix tissue was stained with anti-calponin-1(ABT133) antibody.



Human smooth muscle tissue was stained with anti-calponin-1(ABT133) antibody.



Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-Calponin-1 antibody. The HRP-conjugated anti-Mouse IgG antibody was used to detect the antibody. Predicted band size: 34 kDa