



Calponin-1 mouse mAb(ABT133)

Catalog No	YP-Ab-15540
Isotype	IgG
Reactivity	Human
Applications	IHC, WB
Gene Name	CNN1
Immunogen	Synthesized peptide derived from human Calponin-1
Specificity	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-
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.146% sodium azide.
Source	Mouse, Monoclonal/IgG2a, kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, WB 1:200-1000, IF 1:100-500
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Calponin;CNN1;Basic calponin;Calponin-1;CNN 1;Calponin-1 (Basic calponin; Calponin H1;smooth muscle)
Observed Band	
Calculated Molecular Weight	
Cell Pathway	cytoskeleton,focal adhesion,
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.,



Background

ERROR 42

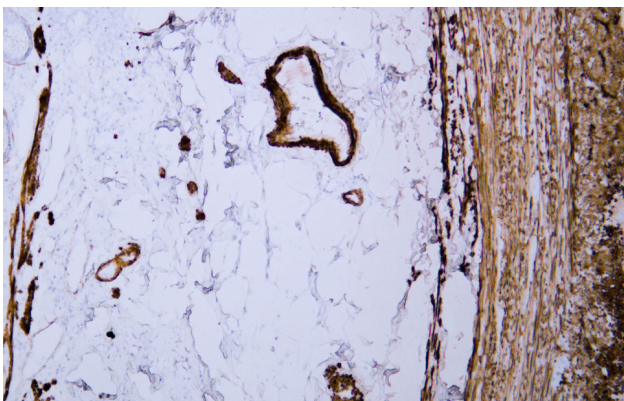
matters needing attention

Avoid repeated freezing and thawing!

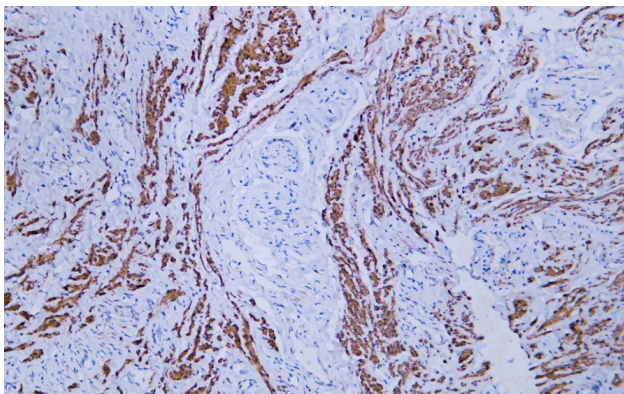
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

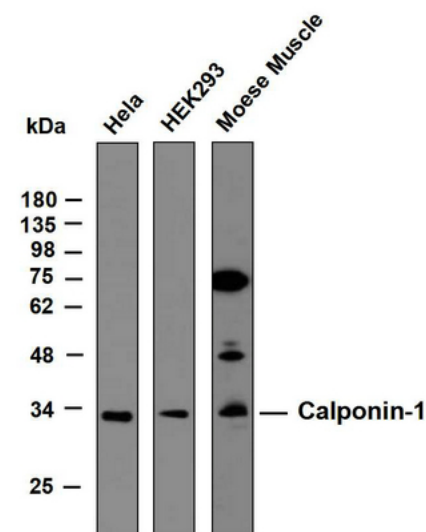
Products Images



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