

Calponin-1 (ABT133) mouse mAb (Ready to Use)

Catalog No :	YM6827R
Reactivity :	Human;
Applications :	IHC
Target :	Calponin-1
Gene Name :	CNN1
Protein Name :	Calponin-1
Human Gene Id :	1264
Human Swiss Prot No :	P51911
Immunogen :	Synthesized peptide derived from human Calponin-1 AA range: 100-200
Specificity :	The antibody can specifically recognize human and mouse calponin-1 protein.
Formulation :	The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300
Source :	Mouse, Monoclonal/IgG2a, kappa
Dilution :	Ready to use for IHC
Purification :	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.
Storage Stability :	2°C to 8°C/1 year
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.,

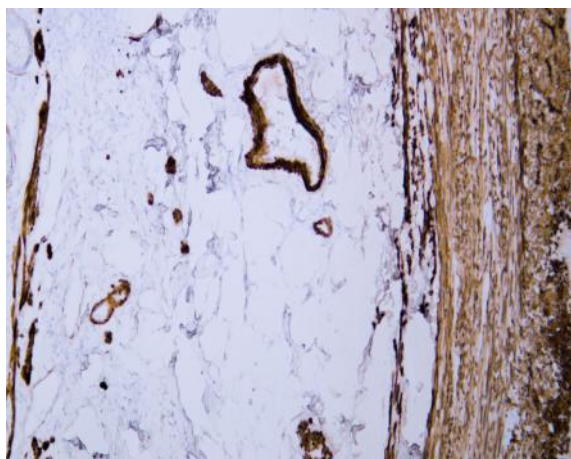
Subcellular

Cytoplasmic

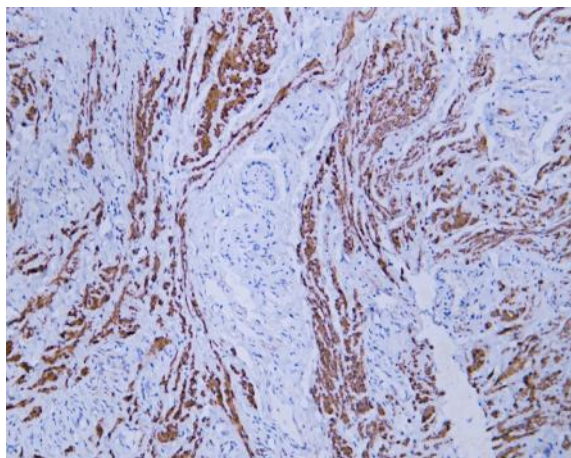
Location :**Expression :**

Smooth muscle, and tissues containing significant amounts of smooth muscle.

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.