

Calponin-1 (ABT145R) rabbit mAb (Ready to Use)

Catalog No :	YM7250R
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 :	This antibody detects endogenous levels of Calponin-1
Formulation :	The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300
Source :	Monoclonal, Rabbit IgG1, Kappa
Dilution :	Ready to use for IHC
Purification :	Recombinant Expression and Affinity purified
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.,

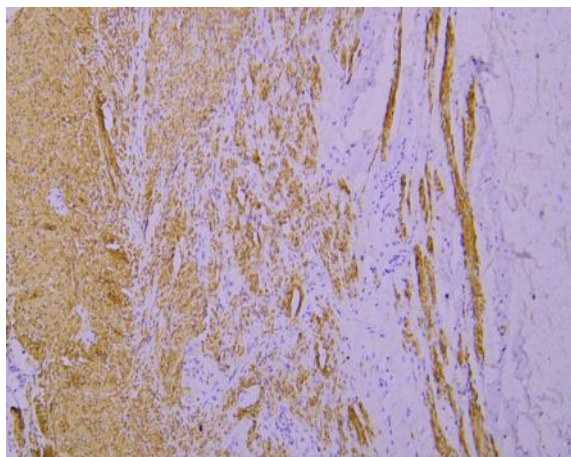
**Subcellular
Location :**

Cytoplasmic

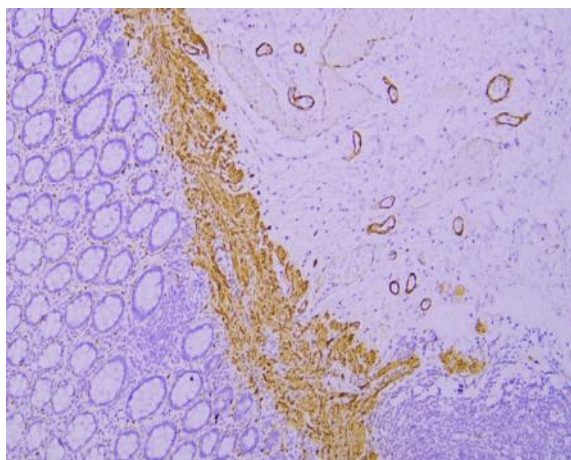
Expression :

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

Products Images



Immunohistochemical analysis of paraffin-embedded human Appendix. 1, Antibody was incubated at 4° overnight. 2, Citrate buffer of pH6.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded human Colon. 1, Antibody was incubated at 4° overnight. 2, Citrate buffer of pH6.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).