

Calponin-1 (ABT133) IHC kit

CatalogNo: IHCM6827

Key Features

Host Species

- Mouse

Reactivity

- Human,

Applications

- IHC

Isotype

- IgG2a,Kappa

Recommended Dilution Ratios

Storage

Storage* 2°C to 8°C/1 year

Basic Information

Clonality Monoclonal

Clone Number ABT133

Immunogen Information

Immunogen Synthesized peptide derived from human Calponin-1 AA range: 100-200

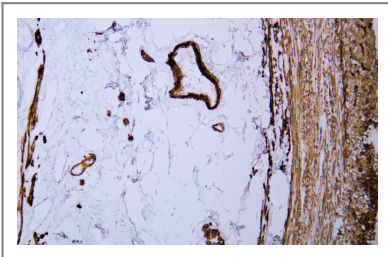
Specificity The antibody can specifically recognize human and mouse calponin-1 protein.

Target Information

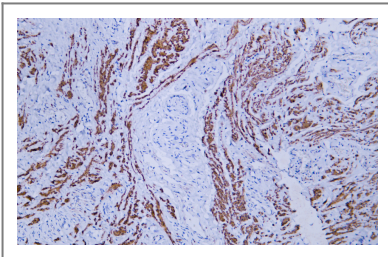
Gene name CNN1

Protein Name	Calponin-1		
	Organism	Gene ID	UniProt ID
	Human	1264;	P51911;
Cellular Localization	Cytoplasmic		
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.,		

Validation Data



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



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

Contact information

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Please scan the QR code to access additional product information:
Calponin-1 (ABT133)
IHC kit

