

Mouse Calponin Monoclonal Antibody | anti-CNN1 antibody

Calponin

CATALOG # AAA59176	HOST Mouse	REACTIVITY Human, Canine, Feline
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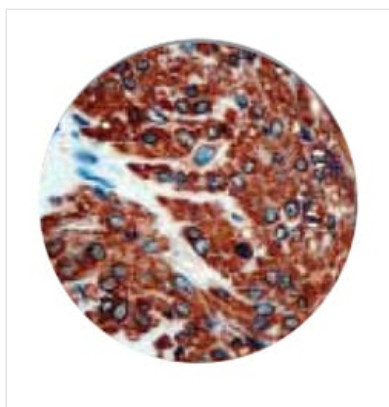
PRODUCT SYNONYMS

Calponin; Monoclonal Antibody; anti-CNN1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Canine, Feline
Clonality	Monoclonal
Isotype	IgG1/K
Clone Number	CALP-A6
Form/Format	Anti-Calponin (CALP-A6) is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Control	Appendix, Uterus, Leiomyoma
Localization	Cytoplasmic
Reactivity Note	Paraffin, Frozen
Preparation and Storage	Store at 2 to 8 degree C in the dark.

IMAGES



IHC (Immunohistochemistry)

Antibody Type	Dilution	Volume/QTY
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:50-1:200	0.1 ml
Concentrated	1:50-1:200	0.5 ml
Concentrated	1:50-1:200	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-CNN1 antibody	Calponin is a 34 kDa polypeptide that interacts with actin, tropomyosin, and calmodulin. It is involved in smooth-muscle contraction mechanisms and is restricted exclusively to smooth-muscle tissue. Calponin is a calcium-binding protein. Calponin tonically inhibits the ATPase activity of myosin in smooth muscle. Phosphorylation of calponin by a protein kinase (which is dependent upon calcium binding to calmodulin) releases the calponin's inhibition of the smooth-muscle ATPase. Calponin has been found to be useful in differentiating benign sclerosing lesions of the breast from Carcinoma. Calponin positivity has also been noted in Malignant Myoepithelioma and Pleomorphic Adenoma of Salivary Gland origin, as well as in Angiomatoid Malignant Fibrous Histiocytoma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1783205
NCBI GeneID	1264
NCBI Accession #	BAA04231.1
NCBI GenBank Nucleotide #	D17408.1
UniProt Accession #	P51911; O00638; Q15416; Q8IY93; Q99438; B2R868; Q53FP8
Molecular Weight	33,170 Da
NCBI Official Full Name	calponin
NCBI Official Synonym Full Names	calponin 1, basic, smooth muscle
NCBI Official Symbol	CNN1
NCBI Official Synonym Symbols	SMCC; Sm-Calp
NCBI Protein Information	calponin-1; basic calponin; calponins, basic; calponin H1, smooth muscle
UniProt Protein Name	Calponin-1
UniProt Gene Name	CNN1
UniProt Entry Name	CNN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/calponin-antibody-clone-calp-a6-elisa/59176>