

Recombinant Calponin-1 (Smooth Muscle Marker) Antibody

Rabbit Monoclonal Antibody [Clone CNN1/4227R]

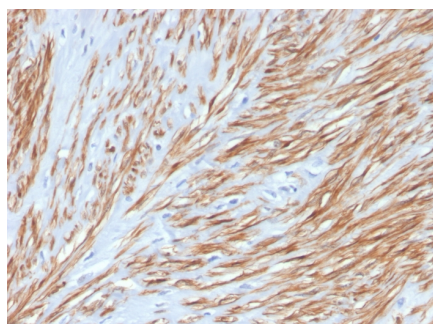
Catalog No	Format	Size
1264-RBM7-P0	Purified Ab with BSA and Azide	200ug/ml
1264-RBM7-P1	Purified Ab with BSA and Azide	200ug/ml
1264-RBM7-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml

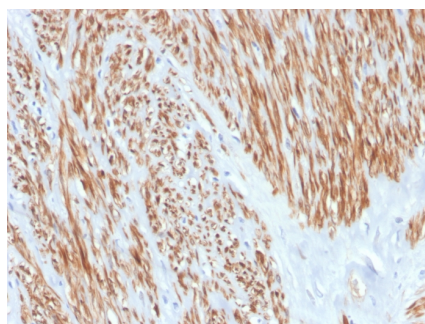
Product Details	
Clone	CNN1/4227R
Gene Name	CNN1
Immunogen	Synthetic peptide corresponding to residues on the C-terminus of human Calponin was used as an immunogen
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	33kDa
Species Reactivity	Human
Positive Control	K562 cells. Myoepithelial cells in breast ducts or leiomyosarcoma.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Calponin-1 (Smooth Muscle Marker) Antibody



Formalin-fixed, paraffin-embedded human leiomyosarcoma stained with Calponin Rabbit Recombinant Monoclonal Antibody (CNN1/4227R).



Formalin-fixed, paraffin-embedded human leiomyosarcoma stained with Calponin Rabbit Recombinant Monoclonal Antibody (CNN1/4227R).

Specificity & Comments

Calponin a 33 kDa polypeptide, is a cytoskeleton-associated actin-binding protein that also interacts tropomyosin and calmodulin. Calponin antibody has been found to be useful as a marker for myoepithelial and basal lamina in differentiating microinvasive from in situ ductal carcinomas of the breast. Calponin antibody may also have applications in malignant myoepithelium and pleomorphic adenoma of salivary gland as well as a useful marker for fine needle aspirates of papillary breast lesions. The antibody has been found in tissue extracts from smooth muscle, but not in fibroblast extracts.

Research Areas

Cardiovascular, Mesenchymal Stem Cell Differentiation

Known Applications & Suggested Dilutions

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 °C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.