

Product datasheet for **AM20872PU-N**

Calponin (CNN1) Mouse Monoclonal Antibody [Clone ID: 2F5-1H4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2F5-1H4
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	CNN1 (AAH22015, 1 a.a. ~ 298 a.a) full length recombinant protein with GST tag.
Specificity:	This antibody recognizes Human Calponin H1, Smooth Muscle (CNN1).
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	calponin 1
Database Link:	Entrez Gene 1264 Human P51911



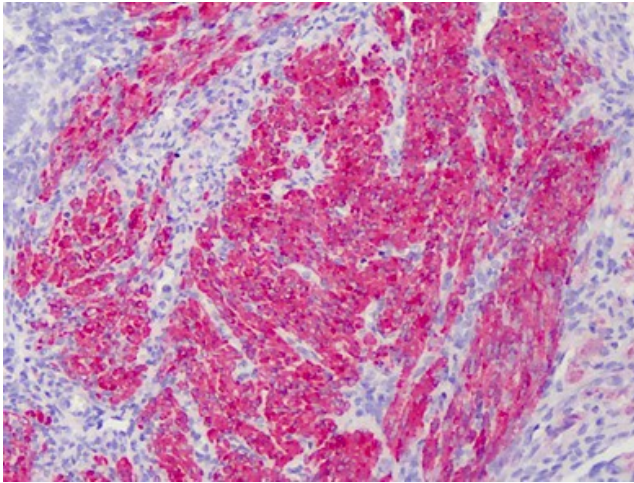
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Background:

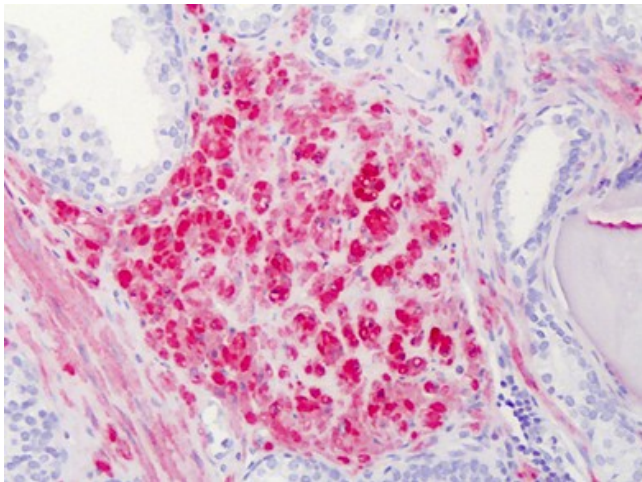
Calponin is a basic 34-kD protein first isolated from chicken gizzard and bovine aorta. It is specifically expressed in smooth muscle and binds calmodulin, actin, and tropomyosin. It is able to inhibit the ATPase activity of myosin and is thought to play a role in smooth muscle contraction. Calponin is a smooth muscle specific, actin-, tropomyosin- and calmodulin-binding protein thought to be involved in some way in the regulation or modulation of contraction.

Synonyms:

Calponin H1, Basic calponin, CNN1

Product images:

Formalin-Fixed, Paraffin-Embedded Human Myometrium stained with Calponin antibody at 5 ug/ml after heat-induced antigen retrieval.



Formalin-Fixed, Paraffin-Embedded Human Prostate stained with Calponin antibody at 5 ug/ml after heat-induced antigen retrieval.