

Product datasheet for TA422313

Calponin (CNN1) Rabbit Monoclonal Antibody [Clone ID: OTIRA0132]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTIRA0132
Applications:	ICC, ICC/IF, IHC, WB
Recommended Dilution:	WB:1/1000-2000;IHC:1/100-200;ICC/IF:1/50-200
Reactivity:	Human, Mouse, Rat, Dog, Pig
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthesized peptide derived from human Calponin
Specificity:	Calponin Antibody detects endogenous levels of total Calponin
Formulation:	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Concentration:	lot specific
Purification:	Affinity-chromatography
Conjugation:	Unconjugated
Storage:	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Predicted Protein Size:	34kDa
Gene Name:	calponin 1
Database Link:	Entrez Gene 1264 Human P51911

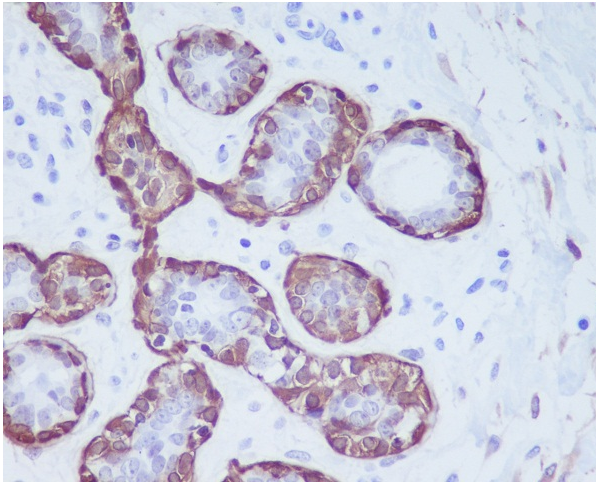


Background:

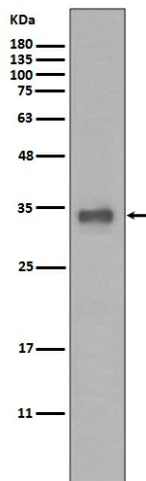
Calponin regulates smooth muscle cell contraction and is a marker of smooth muscle cell differentiation. Calponin, an Actin- and Tropomyosin-binding protein, is characterized as an inhibitory factor of smooth-muscle actomyosin activity. Calponin is implicated in the regulation of smooth muscle contraction through its interaction with F-Actin and inhibition of the Actin-activated MgATPase activity of phosphorylated Myosin.

Synonyms:

Basic calponin; Calponin-1; Calponin H1, smooth muscle; CNN1

Product images:

Immunohistochemical analysis of paraffin-embedded human breast, using Calponin Antibody.



Western blot analysis of Calponin expression in Mouse stomach lysate.