

Calponin 2 rabbit pAb

Cat#: orb764708 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	Calponin 2 rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human CNN2. AA range:121-170
Specificity	Calponin 2 Polyclonal Antibody detects endogenous levels of Calponin 2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Calponin-2
Gene Name	CNN2
Cellular localization	stress fiber,cytoskeleton,cell-cell junction,cell-cell adherens junction,focal adhesion,membrane,extracellular exosome,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

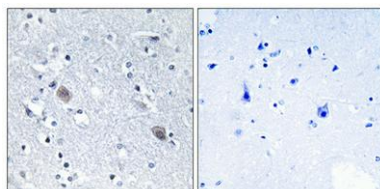
Concentration	1 mg/ml
Observed band	33kD
Human Gene ID	1265
Human Swiss-Prot Number	Q99439
Alternative Names	CNN2; Calponin-2; Calponin H2; smooth muscle; Neutral calponin

Background

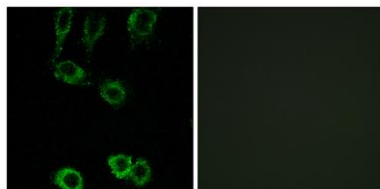
The protein encoded by this gene, which can bind actin, calmodulin, troponin C, and tropomyosin, may function in the structural organization of actin filaments. The encoded protein could play a role in smooth muscle contraction and cell adhesion. Several pseudogenes of this gene have been identified, and are present on chromosomes 1, 2, 3, 6, 9, 11, 13, 15, 16, 21 and 22. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2015],



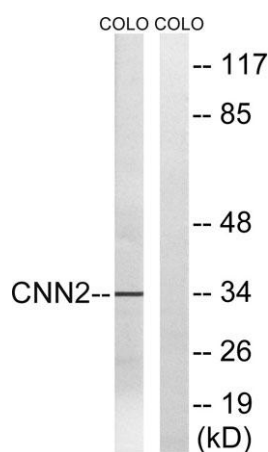
Western Blot analysis of various cells using Calponin 2 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of A549 cells, using CNN2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO cells, using CNN2 Antibody. The lane on the right is blocked with the synthesized peptide.