

CNN2 Antibody

Catalog No: #34522

Package Size: #34522-1 50ul #34522-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

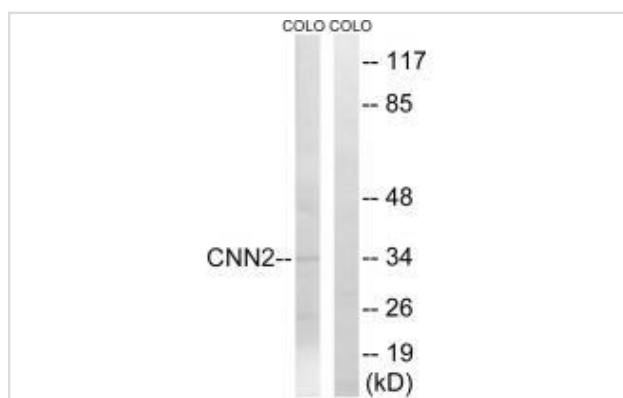
Product Name	CNN2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IF
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total CNN2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human CNN2.
Target Name	CNN2
Other Names	Calponin H2; smooth muscle; CLP2; CNN2; Neutral calponin
Accession No.	Swiss-Prot: Q99439NCBI Gene ID: 1265
Uniprot	Q99439
GeneID	1265;
SDS-PAGE MW	33kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

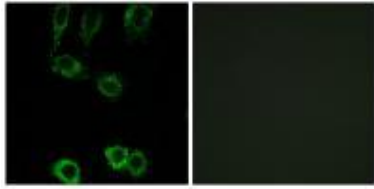
Immunofluorescence: 1:100~1:500

Images



Western blot analysis of extracts from HUVEC cells, using CNN2 antibody #34522.

Immunofluorescence analysis of A549 cells, using CNN2 antibody #34522.



Background

Thin filament-associated protein that is implicated in the regulation and modulation of smooth muscle contraction. It is capable of binding to actin, calmodulin, troponin C and tropomyosin. The interaction of calponin with actin inhibits the actomyosin Mg-ATPase activity.

Masuda H., J. Biochem. 120:415-424(1996).

Kuromitsu J., Mol. Cell. Biol. 17:707-712(1997).

Gevaert K., Nat. Biotechnol. 21:566-569(2003).

Note: This product is for in vitro research use only