CNN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CNN2, Polyclonal Antibody
Full Product Name	CNN2
Product Gene Name	anti-CNN2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human Predicted: Rat, Mouse
Form/Format	Already dissolved in sterile H2O with 1% BSA and 0.02% NaN3 and 50% Glycerol.
Purity/Purification	Purified By Antigen Affinity Column
Molecular Weight	34KD
Immunogen	Recombinant fragment corresponding to 140-306aa of human CNN2.
Cellular Localization	Cell-Cell Junction, Cytoskeleton, Extracellular Exosome, Focal Adhesion, Membrane, Stress Fiber
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CNN2 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CNN2 antibody	ELISA: 1:20,000-80,000 WB: 1:200-1,000 IHC: 1:100-500
Related Product Information for anti-CNN2 antibody	MBS8561615 is an antibody targeting CNN2. Reactive in Human Predicted: Rat, Mouse. Host: Rabbit. Homo sapiens calponin 2, mRNA
Product References and Citations for anti-CNN2 antibody	Debald M, Jin JP, Linke A. et al. Calponin-h2: a potential serum marker for the early detection of human breast cancer Tumour Biol. 35(11):11121-7 (2014)
Other Notes	Small volumes of anti-CNN2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CNN2. It may not necessarily be applicable to this product.

NCBI GI #	146327020
NCBI GeneID	1265
NCBI Accession #	BC141818
UniProt Related Accession #	Q99439
NCBI Official Full Name	Homo sapiens calponin 2, mRNA
NCBI Official Synonym Full Names	calponin 2

NCBI Official Symbol	CNN2
Protein Family	Calponin
NCBI Protein Information	calponin-2
NCBI Summary for CNN2	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]
Research Articles on CNN2	**1.** Study in human hepatocellular carcinoma cell line and xenograft mouse model shows that CNN2 plays an important role in tumor growth and metastasis, possibly through MEK1/2-ERK1/2 signaling pathway.
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