CHN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CHN2, Polyclonal Antibody
Full Product Name	CHN2, ID (CHN2, ARHGAP3, BCH, Beta-chimaerin, Beta-chimerin, Rho GTPase-activating protein 3) (MaxLight 750)
Product Gene Name	anti-CHN2 antibody
Product Synonym Names	CHN2; ARHGAP3; BCH; Beta-chimaerin; Beta-chimerin; Rho GTPase-activating protein 3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	â€“ Da
3D Structure	ModBase 3D Structure for P52757
Immunogen	CHN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 162~192 amino acids from the Central region of human CHN2.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-CHN2 antibody	Antibodies; GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-CHN2 antibody	Western Blot (WB), FLISA
Application Notes for anti-CHN2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CHN2 antibody	This gene is a member of the chimerin family and encodes a protein with a phorbol-ester/DAG-type zinc finger, a Rho-GAP domain and an SH2 domain. This protein has GTPase-activating protein activity that is regulated by phospholipid binding and binding of diacylglycerol (DAG) induces translocation of the protein from the cytosol to the Golgi apparatus membrane. The protein plays a role in the proliferation and migration of smooth muscle cells. Decreased expression of this gene is associated with high-grade gliomas and breast tumors, and increased expression of this gene is associated with lymphomas. Mutations in this gene have been associated with schizophrenia in men. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Product References and Citations for anti-CHN2 antibody	Takefuji, M., et al. J. Hum. Genet. 55(1):42-49(2010). Suliman, S.G., et al. Diabetes 58(12):2954-2961(2009). Siliceo, M., et al. J. Biol. Chem. 284(17):11354-11363(2009).

Other Notes	Small volumes of anti-CHN2 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.
Searchable Terms for CHN2 purchase	MBS6285731 is an antibody targeting CHN2. Also known as CHN2, ID (CHN2, ARHGAP3, BCH, Beta-chimaerin, Beta-chimerin, Rho GTPase-activating protein 3) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHN2. It may not necessarily be applicable to this product.

NCBI GI #	119614325
NCBI GeneID	1124
NCBI Accession #	EAW93919.1
UniProt Primary Accession #	P52757
UniProt Secondary Accession #	Q2M203; Q75MM2; A4D1A2; B3VCF1; B3VCF2; B3VCF3; B3VCF7; B3VCG1; C9J7B0; E9PGE0; F8QPL9
UniProt Related Accession #	P52757
NCBI Official Full Name	chimerin (chimaerin) 2
NCBI Official Synonym Full Names	chimerin 2
NCBI Official Symbol	CHN2
NCBI Official Synonym Symbols	BCH; CHN2-3; ARHGAP3; RHOGAP3
UniProt Protein Name	Beta-chimaerin
UniProt Synonym Protein Names	Beta-chimerin; Rho GTPase-activating protein 3
Protein Family	Beta-chimaerin
UniProt Gene Name	CHN2
UniProt Synonym Gene Names	ARHGAP3; BCH
NCBI Protein Information	beta-chimaerin
NCBI Summary for CHN2	This gene encodes a guanosine triphosphate (GTP)-metabolizing protein that contains a phorbol-ester/diacylglycerol (DAG)-type zinc finger, a Rho-GAP domain, and an SH2 domain. The encoded protein translocates from the cytosol to the Golgi apparatus membrane upon binding by diacylglycerol (DAG). Activity of this protein is important in cell proliferation and migration, and expression changes in this gene have been detected in cancers. A mutation in this gene has also been associated with schizophrenia in men. Alternative transcript splicing and the use of alternative promoters results in multiple transcript variants. [provided by RefSeq, May 2014]
UniProt Comments for CHN2	GTPase-activating protein for p21-rac. Insufficient expression of beta-2 chimaerin is expected to lead to higher Rac activity and could therefore play a role in the progression from low-grade to high-grade tumors.
Research Articles on CHN2	**1.** our data redefine the role of beta2-chimaerin as tumor suppressor and provide the first in vivo evidence of a dual function in breast cancer, suppressing tumor initiation but favoring tumor progression.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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