CNTNAP4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CNTNAP4, Polyclonal Antibody
Full Product Name	CNTNAP4, CT (Contactin-associated protein-like 4,CNTNAP4,CASPR4, KIAA1763) (Azide free) (HRP)
Product Gene Name	anti-CNTNAP4 antibody
Product Synonym Names	Contactin-associated protein-like 4,CNTNAP4,CASPR4; KIAA1763
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 Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	145,274 Da
OMIM	610518
3D Structure	ModBase 3D Structure for Q9C0A0
Immunogen	CNTNAP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1203-1231 amino acids from the C-terminal region of human CNTNAP4.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-CNTNAP4 antibody	Antibodies; Neuroscience
Applications Tested/Suitable for anti-CNTNAP4 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CNTNAP4 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CNTNAP4 antibody	This gene product belongs to the neurexin family, members of which function in the vertebrate nervous system as cell adhesion molecules and receptors. This protein, like other neurexin proteins, contains epidermal growth factor repeats and laminin G domains. In addition, it includes an F5/8 type C domain, discoidin/neuropilin-and fibrinogen-like domains, and thrombospondin N-terminal-like domains. Alternative splicing results in two transcript variants encoding different isoforms.
Product References and Citations for anti-CNTNAP4 antibody	Rose, J. Phd, et al. Mol. Med. (2010). In press: Dastani, Z., et al. Eur. J. Hum. Genet. 18(3):342-347(2010). Lasky-Su, J., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (8), 1345-1354 (2008): Nordgard, S.H., et al. Genes Chromosomes Cancer 47(8):680-696(2008). Kim, J.M., et al. DNA Res. 13(6):275-286(2006).

Other Notes	Small volumes of anti-CNTNAP4 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 CNTNAP4 purchase	MBS6287398 is an antibody targeting CNTNAP4. Also known as CNTNAP4, CT (Contactin-associated protein-like 4,CNTNAP4,CASPR4, KIAA1763) (Azide free) (HRP). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CNTNAP4. It may not necessarily be applicable to this product.

NCBI GI #	116284404
NCBI GeneID	85445
NCBI Accession #	NP_207837.2
UniProt Primary Accession #	Q9C0A0
UniProt Secondary Accession #	Q86YZ7; E9PFZ6
UniProt Related Accession #	Q9C0A0
GenBank Nucleotide #	NM_033401.3
NCBI Official Full Name	contactin-associated protein-like 4 isoform 1
NCBI Official Synonym Full Names	contactin associated protein-like 4
NCBI Official Symbol	CNTNAP4
NCBI Official Synonym Symbols	CASPR4
UniProt Protein Name	Contactin-associated protein-like 4
UniProt Synonym Protein Names	Cell recognition molecule Caspr4
Protein Family	Contactin-associated protein
UniProt Gene Name	CNTNAP4
UniProt Synonym Gene Names	CASPR4; KIAA1763
UniProt Entry Name	CNTP4_HUMAN
NCBI Protein Information	contactin-associated protein-like 4; cell recognition protein CASPR4; cell recognition molecule Caspr4
UniProt Comments for CNTNAP4	CNTNAP4: this protein belongs to the neurexin family, members of which function in the vertebrate nervous system as cell adhesion molecules and receptors. This protein, like other neurexin proteins, contains epidermal growth factor repeats and laminin G domains. In addition, it includes an F5/8 type C domain, discoidin/neuropilin- and fibrinogen-like domains, and thrombospondin N-terminal-like domains. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008] Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 16q23.1 Cellular Component: presynaptic membrane; dendrite; integral to membrane; cell junction Biological Process: regulation of synaptic transmission, dopaminergic; cell adhesion; regulation of synaptic transmission, GABAergic
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