



CNTP1 Polyclonal Antibody

Catalog No	YP-Ab-05493
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	CNTNAP1 CASPR NRXN4
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CNTP1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CNTNAP1;contactin associated protein 1;Contactin-associated protein 1;CNTP1; CNTNAP1 CASPR NRXN4;Contactin-associated protein 1 (Caspr) (Caspr1) (Neurexin IV) (Neurexin-4) (p190)
Observed Band	180-190 kDa
Calculated Molecular Weight	156 kDa
Cell Pathway	Membrane ; Single-pass type I membrane protein . Cell junction, paranodal septate junction .
Tissue Specificity	Predominantly expressed in brain. Weak expression detected in ovary, pancreas, colon, lung, heart, intestine and testis.
Function	function:Seems to play a role in the formation of functional distinct domains critical for saltatory conduction of nerve impulses in myelinated nerve fibers. Seems to demarcate the paranodal region of the axo-glial junction. In association with contactin may have a role in the signaling between axons and myelinating glial cells.,similarity:Belongs to the neurexin family.,similarity:Contains 1 F5/8 type C domain.,similarity:Contains 1 fibrinogen C-terminal domain.,similarity:Contains 2 EGF-like domains.,similarity:Contains 4 laminin G-like domains.,subunit:Interacts with contactin in cis form.,tissue specificity:Predominantly expressed in brain. Weak expression detected in ovary,

pancreas, colon, lung, heart, intestine and testis.,

Background

contactin associated protein 1(CNTNAP1) Homo sapiens The gene product was initially identified as a 190-kD protein associated with the contactin-PTPRZ1 complex. The 1,384-amino acid protein, also designated p190 or CASPR for 'contactin-associated protein,' includes an extracellular domain with several putative protein-protein interaction domains, a putative transmembrane domain, and a 74-amino acid cytoplasmic domain. Northern blot analysis showed that the gene is transcribed predominantly in brain as a transcript of 6.2 kb, with weak expression in several other tissues tested. The architecture of its extracellular domain is similar to that of neuexins, and this protein may be the signaling subunit of contactin, enabling recruitment and activation of intracellular signaling pathways in neurons. [provided by RefSeq, Jan 2009],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images