



CNTP1 Polyclonal Antibody

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| Catalog No | YP-Ab-05493 |
| Isotype | IgG |
| Reactivity | Human;Mouse |
| Applications | WB;ELISA |
| Gene Name | CNTNAP1 CASPR NRXN4 |
| Protein Name | Contactin-associated protein 1 (Caspr) (Caspr1) (Neurexin IV) (Neurexin-4) (p190) |
| 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 | |
| Observed Band | 152kD |
| 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 neurexins, 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