

CNTNAP1 / CASPR / p190 Antibody (aa926-1190)
Rabbit Polyclonal Antibody
Catalog # ALS17030**Specification**

CNTNAP1 / CASPR / p190 Antibody (aa926-1190) - Product Information

Application	IHC, WB
Primary Accession	P78357
Other Accession	8506
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	156267

CNTNAP1 / CASPR / p190 Antibody (aa926-1190) - Additional Information**Gene ID** 8506**Other Names**

CNTNAP1, CASPR, Caspr1, Contactin associated protein 1, CNTNAP, Contactin-associated protein 1, Neurexin IV, Neurexin-4, Neurexin 4, NRXN4, p190

Target/Specificity

Human CNTNAP1 / CASPR / p190

Reconstitution & Storage

PBS, pH 7.4, 0.02% sodium azide, 50% glycerol. Store frozen product at or below -20°C. Thawed product may be stored for 2-4 weeks at 4°C. For optimal storage, aliquot to smaller portions and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

Precautions

CNTNAP1 / CASPR / p190 Antibody (aa926-1190) is for research use only and not for use in diagnostic or therapeutic procedures.

CNTNAP1 / CASPR / p190 Antibody (aa926-1190) - Protein Information**Name** CNTNAP1**Synonyms** CASPR, NRXN4**Function**

Required, with CNTNAP2, for radial and longitudinal organization of myelinated axons. Plays a role in the formation of functional distinct domains critical for saltatory conduction of nerve impulses in myelinated nerve fibers. Demarcates the paranodal region of the axo-glial junction. In association with contactin involved in the signaling between axons and myelinating glial cells.

Cellular Location

Membrane; Single-pass type I membrane protein. Cell junction, paranodal septate junction
{ECO:0000250|UniProtKB:O54991}

Tissue Location

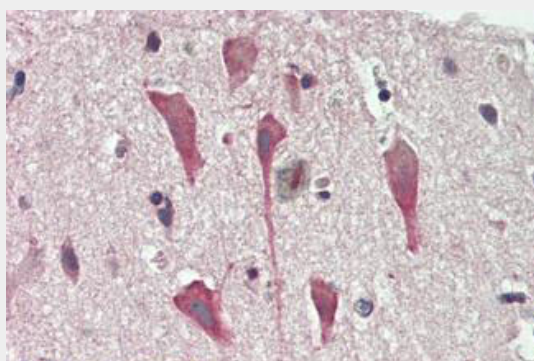
Predominantly expressed in brain. Weak expression detected in ovary, pancreas, colon, lung, heart, intestine and testis

CNTNAP1 / CASPR / p190 Antibody (aa926-1190) - Protocols

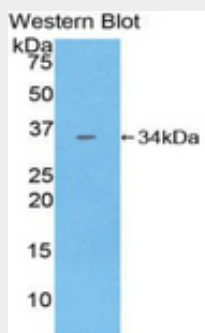
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CNTNAP1 / CASPR / p190 Antibody (aa926-1190) - Images



Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western blot of recombinant CNTNAP1 / CASPR / p190.

CNTNAP1 / CASPR / p190 Antibody (aa926-1190) - Background

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.

CNTNAP1 / CASPR / p190 Antibody (aa926-1190) - References

Peles E.,et al.EMBO J. 16:978-988(1997).