

**Caspr Antibody**  
**Rabbit mAb**  
**Catalog # AP91434****Specification**

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**Caspr Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P78357</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
Caspr; Caspr1; CNTNAP; Cntnap1; Contactin associated protein 1; MHDNIV; NCP1; Neurexin-4; Nrnx4; p190; Paranodin;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	156267 Da

**Caspr Antibody - Additional Information**

Dilution	WB~~1:1000 IHC~~1:100~500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Caspr
Description	Contactin-associated protein 2 (Caspr2) is a type I transmembrane protein and member of the neurexin superfamily that mediates nervous system cell-cell interactions through the Neurexin IV-Caspr-Paranodin (NCP) complex.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Caspr Antibody - 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}

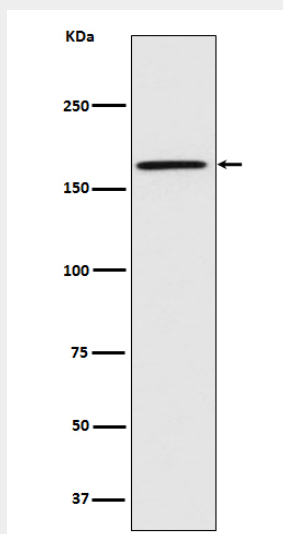
**Tissue Location**

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

**Caspr Antibody - 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](#)

**Caspr Antibody - Images**

Western blot analysis of Caspr expression in U87-MG cell lysate.