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Caspr Antibody

Rabbit mAb
Catalog # AP91434

Product Information

Application	WB, IHC
Primary Accession	P78357
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Caspr; Caspr1; CNTNAP; Cntnap1; Contactin associated protein 1; MHDNIV; NCP1; Neurexin-4; Nrxn4; p190; Paranodin;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	156267

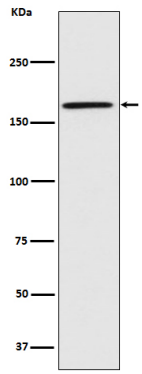
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200
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.

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

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.