

Product Name: Caspr (4V9) Rabbit Monoclonal Antibody**Catalog #: AMRe07990**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IF-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:2000,IF-P 1:200-1:2000
Molecular Weight	156kDa

Antigen Information

Gene Name	CNTNAP1
Alternative Names	Caspr; Caspr1; CNTNAP; Cntnap1; Contactin associated protein 1; MHDNIV; NCP1; Neurexin-4; Nrnx4; p190; Paranodin;
Gene ID	8506.0
SwissProt ID	P78357
Immunogen	A synthetic peptide of human Caspr

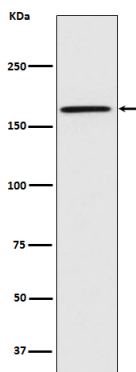
Background

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. 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.

Research Area

Neuroscience; Cell Type Marker; Glia marker; Oligodendrocyte marker

Image Data



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