

KD-Validated Anti-Contactin associated protein 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1531

Product Information

Application	WB, FC
Primary Accession	P78357
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB5605
Calculated MW	156267
Gene Name	CNTNAP1
Aliases	CNTNAP1; Contactin Associated Protein 1; P190; CNTNAP; CASPR; NRXN4; Contactin-Associated Protein 1; Neurexin IV; Neurexin-4; Caspr1; Caspr; Neurexin 4; CHN3
Immunogen	A synthesized peptide derived from human Caspr

Additional Information

Gene ID	8506
Other Names	Contactin-associated protein 1, Caspr, Caspr1, Neurexin IV, Neurexin-4, p190, CNTNAP1, CASPR, NRXN4

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