

For Research Use Only

Caspr2/CNTNAP2 Recombinant antibody, PBS Only

Catalog Number: 85116-4-PBS



Basic Information

Catalog Number: 85116-4-PBS	GenBank Accession Number: BC113373	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 26047	CloneNo.: 242391A9
Source: Rabbit	UNIPROT ID: Q9UHC6	
Isotype: IgG	Full Name: contactin associated protein-like 2	
Immunogen Catalog Number: AG22844	Calculated MW: 1331 aa, 148 kDa	
	Observed MW: 148 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Caspr2 is a member of the neurexin family which functions in the vertebrate nervous system as cell adhesion molecules and receptors. This protein, like other neurexin proteins, contains epidermal growth factor repeats and laminin G domains. In addition, it includes an F5/8 type C domain, discoidin/ neuropilin- and fibrinogen-like domains, thrombospondin N-terminal-like domains and a putative PDZ binding site. This protein is localized at the juxtaparanodes of myelinated axons, and mediates interactions between neurons and glia during nervous system development and is also involved in localization of potassium channels within differentiating axons. This gene encompasses almost 1.5% of chromosome 7 and is one of the largest genes in the human genome. It is directly bound and regulated by forkhead box protein P2, a transcription factor related to speech and language development.

Storage

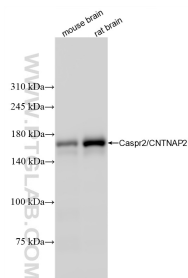
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

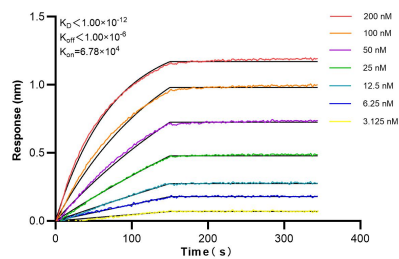
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85116-4-RR (CNTNAP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85116-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85116-4-RR against Human Caspr2/CNTNAP2 were performed. The affinity constant is below 1 pM.