



Caspr2/CNTNAP2 Mouse mAb

Catalog No	YP-mAb-19546
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	
Immunogen	Synthetic peptide .This information is considered to be commercially sensitive .
Specificity	
Formulation	
Source	Monoclonal,Mouse,IgG
Purification	Affinity purification
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	CDFE; NRXN4; AUTS15; CASPR2; PTHSL1; Caspr2/CNTNAP2
Observed Band	152kDa
Calculated Molecular Weight	148kDa
Cell Pathway	
Tissue Specificity	
Function	
Background	This gene encodes 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 .This gene has been implicated in multiple neurodevelopmental disorders, including Gilles de la Tourette syndrome, schizophrenia, epilepsy, autism, ADHD and intellectual



disability .

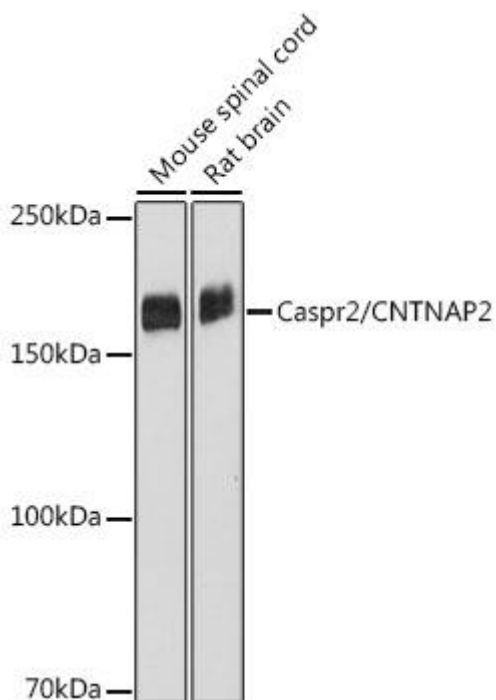
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of various lysates using Caspr2/CNTNAP2 Mouse mAb at 1:1000 dilution .
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) at 1:10000 dilution .
Lysates/proteins: 25µg per lane .
Blocking buffer: 3% nonfat dry milk in TBST .
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s .