

# Caspr2/CNTNAP2 Rabbit mAb

Catalog No.: A19262 **Recombinant**

## Basic Information

**Observed MW**

152kDa

**Calculated MW**

148kDa

**Category**

Primary antibody

**Applications**

ELISA,WB

**Cross-Reactivity**

Mouse, Rat

**CloneNo number**

ARC2430

## Recommended Dilutions

**WB** 1:500 - 1:1000

## 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.

## Immunogen Information

**Gene ID**

26047

**Swiss Prot**

Q9UHC6

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 1232-1331 of human Caspr2/CNTNAP2 (Q9UHC6).

**Synonyms**

CDFE; NRXN4; AUTS15; CASPR2; PTHSL1; Caspr2/CNTNAP2

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

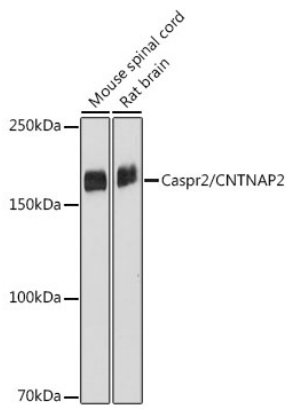
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data

---



Western blot analysis of extracts of various cell lines, using Caspr2/CNTNAP2 antibody (A19262) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) 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.