

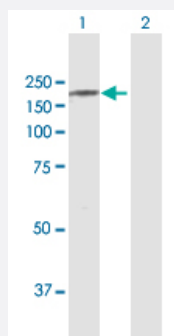
MaxPab®

CNTNAP2 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00026047-D01

Size 100 uL

Applications

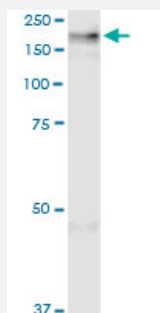


Western Blot (Transfected lysate)

Western Blot analysis of CNTNAP2 expression in transfected 293T cell line ([H00026047-T01](#)) by CNTNAP2 MaxPab polyclonal antibody.

Lane 1: CNTNAP2 transfected lysate (148.2 kDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of CNTNAP2 transfected lysate using anti-CNTNAP2 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CNTNAP2 purified MaxPab mouse polyclonal antibody (B01P) ([H00026047-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human CNTNAP2 protein.

Immunogen

CNTNAP2 (NP_054860.1, 1 a.a. ~ 1331 a.a) full-length human protein.

Sequence

MQAAPRAGCGAALLLWVSSCLCRAWTAPSTSQKCDEPLVSGPLPHVAFSSSSSISGSYSPGYAKI
 NKRGGAGGWSPSDSDHYQWLQVDFGNRKQISAIATQGRYSSSDWVTQYRMLYSDTGRNWKPYH
 QDGNWAFPGNINSDGVVRHELQHPIARYVRVPLDWNGEGRIGLRIEVYGCYWADVINFDPGHVV
 LPYRFRNKKMKTLKDVIALNFKTSESEGVILHGEQQGDYITLKKAKLVLSNLGSQLGPIYGH
 SVMTGSLDDHHWHSVIERQGRSINLTDRSMQHFRTNGEFDYLDLDYEITFGGIPFSGKPSSSS
 RKNFKGCMESINYNGVNITDLARRKKLEPSNVGNLSFSCVEPYTPVPVFFNATSYLEVPGRNLQDLF
 SVSFQFRTWNPNGLLVFSHFADNLGNVEIDLTESKVGVINITQTKMSQIDISSGSLNDGQWHEV
 RFLAKENFAILTIDGDEASAVRTNSPLQVKTGEKYFFGGFLNQMNSSSHSVLQPSFQGCMLIQV
 DDQLVNLVEVAQRKPGSFANVSIDMCAIIDRCVPNHCEHGGKCSQTWDSFKCTCDETGYSGATC
 HNSIYEPSCEAYKHLGQTSNYWIDPDGSGPLGPKVYCNMTEDKVWTIVSHDLQMQTPVVGYNP
 EKYSVTQLVYSASMDQISAITDSA EYCEQYVS YFCKMSRLNTPDGSPYTWWVGKANEKHYYWG
 GSGPGIQKCACGIERNCTDPKYCNCADADYKQWRKDAGFLSYKDHLVPSQVVVGDTDRQGSEA
 KLSVGPLRCQGDRNYWNAASFNPSSYLHFSTFQGETSADISFYFKLTPWGVFLENMGKEDFIK
 LELKSATEVSFSFDVGNGPVEIVRSPTPLNDDQWHRVTAERNVKQASLQVDRLPQQIRKAPTE
 GHTRLELYSQLFVGGAGGQQGFLGCIIRSLRMNGVTLDLEERAKVTSGFISGCSGHCTSYGTNCEN
 GGKCLERYHGYSCDCSNTAYDGTFCNKDVGAFFEEGMWLRYNFQAPATNARDSSSRVDNAPD
 QQNSHPDLAQEEIRFSFSTTKAPCILLYSSFTTDFLAVLVKPTGSLQIRYNLGGTREPYNIDVDHRN
 MANGQPHSVNITRHEKTIFLKLDPHPSVSYHLPSSSDTLFNSPKSLFLGKVIETGKIDQEIHKYNTPG
 FTGCLSRVQFNQIAPLKAALRQTNASAHVHIQGELVESNCGASPLTLSPMSSATDPWHLDHLD
 SADFPYNPGQGQAIRNGVNRNSAIGGVIAVVIFTILCTLVFLIRYMFHRHKGTYHTNEAKGAESA
 DAAIMNNDPNFTETIDESKKEWLI

Host Rabbit

Reactivity Human

Interspecies Antigen Sequence Mouse (93)

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer No additive

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

Gene Info — CNTNAP2

Entrez GeneID [26047](#)

GeneBank Accession# [NM_014141.4](#)

Protein Accession# [NP_054860.1](#)

Gene Name CNTNAP2

Gene Alias AUTS15, CASPR2, CDFE, DKFZp781D1846, NRXN4

Gene Description contactin associated protein-like 2

Omim ID [604569](#) [610042](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 associated with potassium channels. It may play a role in the local differentiation of the axon into distinct functional subdomains. This gene encompasses almost 1.5% of chromosome 7 and is one of the largest genes in the human genome. It may represent a positional candidate gene for the DFNB13 form of nonsyndromic deafness. [provided by RefSeq]

Other Designations cell recognition molecule Caspr2|contactin-associated protein 2|homolog of Drosophila neurexin IV

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Child Development Disorders](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Language Development Disorders](#)
- [Mental Disorders](#)
- [Personality Assessment](#)
- [Schizophrenia](#)
- [Substance-Related Disorders](#)
- [Tobacco Use Disorder](#)