

DNAxPAb

Hard-to-Find
Antibody

CNTNAP2 DNAxPab

Catalog # H00026047-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human CNTNAP2 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MQAAPRAGCGAALLLWVSSCLCRAWTAPSTSQKCDEPLVSGLPVAFSSSSSSISGSYSPGYAKI
NKRGGAGGWSPSDSDHYQWLQVDFGNRKQISAIATQGRYSSSDWVTQYRMLYSDTGRNWKPYH
QDGNWAFPGNINSDGVVRHELQHPIARYVRVPLDWNGEGRIGLRIEYVGCSYWADVINFDFGHVV
LPYRFRNKKMKTLDVIALNFKTSESEGVILHGEQQGDYITLELKKAKLVLSNLGSNQLGPIYGH
SVMTGSLDDHHWHSVIERQGRSINLTDRSMQHFRTNGEFDYLDLDYEITFGGIPFSGKPSSSS
RKNFKGCMESINYGVNITDLARRKKLEPSNVGNLSFSCVEPYTPVPVFFNATSYLEVPGRNLQDLF
SVSFQFRTWNPNGLLVFSHFADNLGNVEIDLTESKVG VHINITQTKMSQIDISSGSGLNDGQWHEV
RFLAKENFAILTIDGDEASAVRTNSPLQVKTGEKYFFGGFLNQMNSSSHSVLQPSFQGCMLIQV
DDQLVNLVEVAQRKPGSFANVSIDMCAIDRCVPNHCEHGGKCSQTWDSFKCTCDETGYSGATC
HNSIYEPSCEAYKHLGQTSNYWIDPDGSGPLGPLKVYCNMTEDKVWTVSHDLQMQTPVVGYNP
EKYSVTQLVYSASMDQISAITDSA EYCEQYVS YFCKMSRLNTPDGSPYTWWVGKANEKHYYWG
GSGPGIQKCACGIERNCTDPKYCNCADADYKQWRKDAGFLSYKDHLVPSQVVVGDTDRQGSEA
KLSVGPLRCQGDRNYWNAASFNPSSYLHFSTFQGETSADISFYFKLTPWGVFLENMGKEDFIK
LELKSA TEVSFSFDVGNPVEIVRSPTPLNDDQWHRVTAERNVKQASLQVDRLPQQIRKAPTE
GHTRLELYSQLFVGGAGGQQGFLGCI RSLRMNGVTLDLEERAKVTSGFISGCSGHCTSYGTNCEN
GGKCLERYHGYS CDCSNTAYDGTFCNKDVGAFFEEGMWLRYNFQAPATNARDSSSRVDNAPD
QQNSHPDLAQEEIRFSFSTTKAPCILLYSSFTTDFLAVLVKPTGSLQIRYNLGGTREPYNIDVDHRN
MANGQPHSVNITRHEKTIFLKL DHYPSVSYHLPSSSDTLFNSPKSLFLGKVIETGKIDQEIHKYNTPG
FTGCLSRVQFNQIAPLKAALRQTNASAHVHIQGELVESNCGASPLTLSPMSSATDPWHLDHLD
SADFPYNPGQGQAIRNGVNRNSAIIGGVIAVVIFTILCTLVFLIRYMF RHKGTYHTNEAKGAESAESA
DAAIMNNDPNFTETIDESKKEWLI

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction

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

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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 I V

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](#)