

MaxPab®

CNTNAP1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00008506-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human CNTNAP1 protein.
Immunogen	CNTNAP1 (AAI60132.1, 1 a.a. ~ 1384 a.a) full-length human protein.
Sequence	MMHLRLFCILLAAVSGAEGWGYGCDEELVGPLYARSLGASSYSSLTAPRFARLHGISGWSPRIG DPNPWLQIDLMKKHRIRAVATQGSFNSWDVWTRYMLLYGDRVDSWTPFYQRGHNSTFFGNVNE SAVVRHDLHFHTARYIRVPLAWNPRGKIGRLRLGLYGCPYKADILYFDGDDAISYRFPRGVSRSLW DVFAFSFKTEEKDGLLLHAEGAQGDYVTLLEGALHLLHMSLGSSPIQPRPGHTTVSAGGVLNDQ HWHYVRVDRFGRDVNFTLDGYVQRFILNGDFERLNLDTMFIGGLVGAARKNLAYRHNFRGCIEN VIFNRVNIADLAVRRHSRITFEGKVAFRCLDPVPHPIFGGPHNFVQVPGFPRRGLAVSFRFRTW DLTGLLLF SRLGDGLGHVELTLSEGQVNVISIAQSGRKKLQFAAGYRLNDGFWHEVNFVAQENHA VISIDDVEGAEVRVSYPLLIRTGTSYFFGGCPKPASRWDCHSNQTA FHGCMELLKVDGQLVNLTL VEGRRLGFYAEVLFDTCGITDRCSNMCEHDGRCYQSWDDFICYCELTGYKGETCHTPLYKESC EAYRLSGKTSGNFTIDPDGSGPLKPFVVYCDIRENRAWTVVRHDRLWTTRVTGSSMERPF LGAIQ YWNASWEEVSALANASQHCEQWIEFSCYNSRLN TAGGYPYSFWIGRNEEQHFYWGGSQPGIQR CACGLDRSCVDPALYCNC DADQPQWRD KGLLTFVDHLPVTQVVIGDTNRSTSE AQFFLRPLRC YGDRNSWNTISFHTGAALRFPIRANHSLDV SFYFRTSAPSGVFLENMGGPYCQWRRPYVRVELN TSRDVVFADFVGNGDENLTVHSDDFEFNDD EWHLVRAEINVKQARLRVDHRPWVLRPMPLQTYI WMEYDQPLYVGS AELKRRPFVGCLRAMRLNGVTLNLEGRANASEGTSPNCTGHCAHPRLPCFH GGRCVERYSYTCD CDLTAFDGPYCNHDIGGFFEPGTWMRYNLQSALRSAAREFSHMLSRPVPG YEPGYPGYDTPGYVPGYHGPYRLPDYPRPGRPVPGYRGPVYNVTGEEVSFSFSTSSAPAVLLY VSSFVRDYMAVL IKDDGTLQLRYQLGTSPYVYQLTTRPVT DGQPHSINITRVYRNLFIQVDYFPLTEQ KFSLLVDSQLDSPKALYLGRVMETGVIDPEIQRYNTPGFSGCLSGVRFNNVAPLKTHFRTPRPM T AELAEALRVQGELSESNCGAMPRLVSEVPPELDPWYLPDPFPYYHDEGWVAILLGFLVAFLLGL VGMLVLFYLQNHRYKGSYHTNEPKAAHEYHPGSKPPLPTSGPAQVPTPTAAPNQAPASAPAPAP TPAPAPGPRDQNL PQILEESRSE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (93)
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](#)

Gene Info — CNTNAP1

Entrez GeneID [8506](#)**GeneBank Accession#** [BC160132.1](#)**Protein Accession#** [AA160132.1](#)**Gene Name** CNTNAP1**Gene Alias** CASPR, CNTNAP, NRXN4, P190**Gene Description** contactin associated protein 1**Omim ID** [602346](#)**Gene Ontology** [Hyperlink](#)

Gene Summary

The gene product was initially identified as a 190-kD protein associated with the contactin-PTPR Z1 complex. The 1,384-amino acid protein, also designated p190 or CASPR for 'contactin-associated protein,' includes an extracellular domain with several putative protein-protein interaction domains, a putative transmembrane domain, and a 74-amino acid cytoplasmic domain. Northern blot analysis showed that the gene is transcribed predominantly in brain as a transcript of 6.2 kb, with weak expression in several other tissues tested. The architecture of its extracellular domain is similar to that of neuexins, and this protein may be the signaling subunit of contactin, enabling recruitment and activation of intracellular signaling pathways in neurons. [provided by RefSeq]

Other Designations neuexin 4

Pathway

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

Disease

- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mental Disorders](#)