CD Creative Diagnostics®

Anti-CNTNAP1 (aa 22-131) polyclonal antibody (DPAB-DC3521)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The gene product was initially identified as a 190-kD protein associated with the contactin-PTPRZ1 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 neurexins, and this protein may be the signaling subunit of contactin, enabling recruitment and activation of intracellular signaling pathways in neurons.
Immunogen	CNTNAP1 (NP_003623, 22 a.a. ~ 131 a.a) partial recombinant protein with GST tag. The sequence is YYGCDEELVGPLYARSLGASSYYSLLTAPRFARLHGISGWSPRIGDPNPWLQIDLMKKHR IRAVATQGSFNSWDWVTRYMLLYGDRVDSWTPFYQRGHNSTFFGNVNESA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CNTNAP1 contactin associated protein 1 [Homo sapiens (human)]
Official Symbol	CNTNAP1
Synonyms	CNTNAP1; contactin associated protein 1; P190; CASPR; NRXN4; CNTNAP; contactin-associated protein 1; caspr1; neurexin 4; neurexin-4; neurexin IV;
Entrez Gene ID	8506
Protein Refseq	NP_003623
UniProt ID	P78357
Chromosome Location	17q21
Pathway	Axon guidance; Developmental Biology; Neurofascin interactions;
Function	SH3 domain binding; SH3/SH2 adaptor activity; protein binding; receptor activity