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Datasheet for ABIN2782237

anti-CNTNAP1 antibody (N-Term)

2 Images

Overview

Quantity:	100 µL
Target:	CNTNAP1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNTNAP1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CNTNAP1
Sequence:	LQIDLMMKKHR IRVATQGSF NSWDDWVTRYM LLYGDRVDSW TPFYQRGHNS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against CNTNAP1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CNTNAP1
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Target Details

Alternative Name: CNTNAP1 ([CNTNAP1 Products](#))

Background: CNTNAP1 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. 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. The gene product was initially identified as a 190-kD protein associated with the contactin-PTPRZ1 complex. The 1,381-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.

Alias Symbols: CASPR, CNTNAP, NRXN4, P190

Protein Interaction Partner: UBC, vpu, FBXO6, NFASC, RTN4, SRC, PTPRB, RHOA, FYN, RAC1, CDC42, KCNA1, KCNA2,

Protein Size: 1384

Molecular Weight: 156 kDa

Gene ID: 8506

NCBI Accession: [NM_003632](#), [NP_003623](#)

UniProt: [P78357](#)

Pathways: [Cell-Cell Junction Organization](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

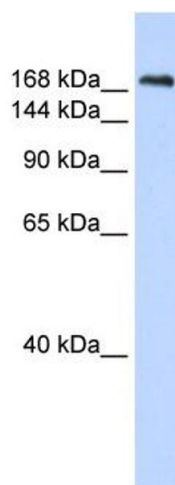
Comment: Antigen size: 1384 AA

Restrictions: For Research Use only

Handling

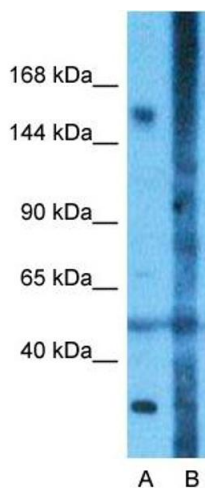
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CNTNAP1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Human Lung



Western Blotting

Image 2. Host: Rabbit Target Name: CNTNAP1 Sample Type: Fetal Lung Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide Primary Antibody Concentration: 1ug/ml Peptide Concentration: 5ug/ml Lysate Quantity: 25ug/lane/Lane Gel Concentration: 0.12