



Rabbit Anti-CNTN5 antibody

SL11453R

Product Name:	CNTN5
Chinese Name:	轴突蛋白5抗体
Alias:	Contactin5; Contactin 5; Contactin-5; hNB 2; HNB 2s; NB 2; Neural recognition molecule NB 2; CNTN5_HUMAN; Neural recognition molecule NB-2; hNB-2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	119kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Contactin 5:801-900/1100
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The protein encoded by this gene is a member of the immunoglobulin superfamily, and contactin family, which mediate cell surface interactions during nervous system development. This protein is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. It may play a role in the formation of axon connections in the developing nervous system. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

[provided by RefSeq, Aug 2011].

Function:

CNTN5 is a member of the immunoglobulin superfamily. Contactins mediate cell surface interactions during the development of the nervous system. CNTN5 has some neurite outgrowth-promoting activity in the cerebral cortical neurons but not in hippocampal neurons and is most likely involved in neuronal activity in the auditory system.

Subcellular Location:

Cell membrane; Lipid-anchor, GPI-anchor.

Tissue Specificity:

Expressed in brain and kidney and at very low level in placenta. Not expressed in other tissues. In brain, it is highly expressed in the occipital lobe, amygdala, cerebral cortex, frontal lobe, thalamus and temporal lobe. Expressed at moderate level in the cerebellum, substantia nigra, putamen, medulla and hippocampus. Weakly expressed in the spinal cord and caudate nucleus. Weakly or not expressed in the corpus callosum.

Similarity:

Belongs to the immunoglobulin superfamily. Contactin family.
Contains 4 fibronectin type-III domains.
Contains 6 Ig-like C2-type (immunoglobulin-like) domains.

SWISS:

O94779

Gene ID:

53942

Database links:

[Entrez Gene: 53942](#) Human

[Entrez Gene: 244682](#) Mouse

[Entrez Gene: 114589](#) Rat

[Omim: 607219](#) Human

[SwissProt: O94779](#) Human

[SwissProt: P68500](#) Mouse

[SwissProt: P97527](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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