

Rabbit Anti-Contactin 6/AP Conjugated antibody

SL1797R-AP

Product Name	Anti-Contactin 6/AP
Chinese Name	碱性磷酸酶 (AP) 标记的神经细胞 NB3 特定蛋白抗体
Alias	CNTN 6; CNTN6; CNTN6_HUMAN; Contactin 6 precursor; Contactin-6; Contactin6; hNB 3; hNB-3; hNB3; MGC133256; NB 3; NB3; Neural adhesion molecule; Neural recognition molecule NB 3; Neural recognition molecule NB-3.
Research Area	Neurobiology The cell membrane 蛋白
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Rat(predicted:Human,Mouse,Dog,Pig,Cow,Horse,Sheep) IHC-P=1:100-500,IHC-F=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	109kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human NB3
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: Contactin 6 is a member of the immunoglobulin superfamily. It is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein which functions as a cell adhesion molecule. It may play a role in the

formation of axon connections in the developing nervous system.

Function:

Contactins mediate cell surface interactions during nervous system development. Participates in oligodendrocytes generation by acting as a ligand of NOTCH1. Its association with NOTCH1 promotes NOTCH1 activation through the released notch intracellular domain (NICD) and subsequent translocation to the nucleus. Involved in motor coordination.

Subunit:

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

Subcellular Location:

Cell membrane; Lipid-anchor, GPI-anchor (By similarity).

Tissue Specificity:

Expressed in nervous system. Highly expressed in cerebellum. Expressed at intermediate level in thalamus, subthalamic nucleus. Weakly expressed in corpus callosum, caudate nucleus and spinal cord.

Similarity:

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

Database links:

[Entrez Gene: 27255](#) Human

[Entrez Gene: 53870](#) Mouse

[Entrez Gene: 27256](#) Rat

[Omim: 607220](#) Human

[SwissProt: Q9UQ52](#) Human

[SwissProt: Q9JMB8](#) Mouse

[SwissProt: P97528](#) Rat

[Unigene: 387300](#) Human

[Unigene: 321671](#) Mouse

[Unigene: 10644](#) Rat



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