



Rabbit Anti-Contactin 6 antibody

SL1797R

Product Name:	Contactin 6
Chinese Name:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	109kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NB3:85-200/1028
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:	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.

SWISS:

Q9UQ52

Gene ID:

27255

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

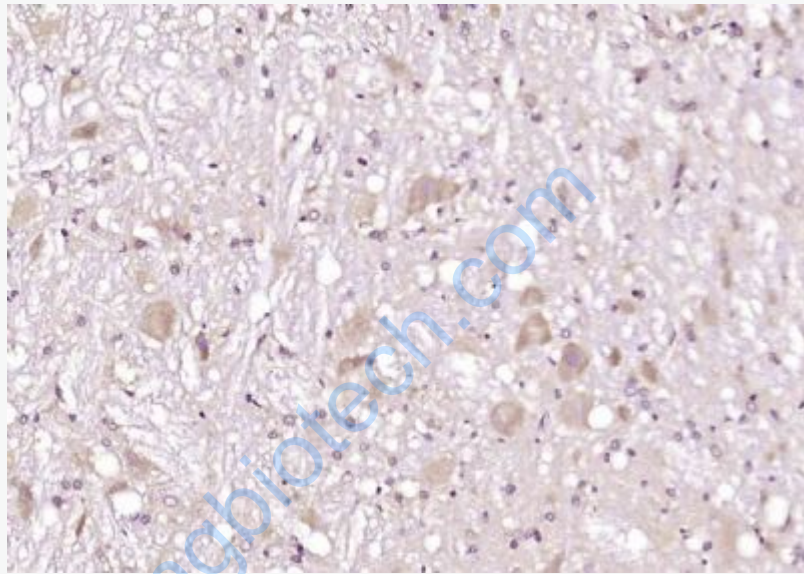
[Unigene: 387300](#)Human

[Unigene: 321671](#)Mouse

[Unigene: 10644Rat](#)

Important Note:

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



Picture:

Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Contactin 6) Polyclonal Antibody, Unconjugated (SL1797R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.