



Rabbit Anti-Netrin-G1 antibody

SL23067R

Product Name:	Netrin-G1
Chinese Name:	轴突生长诱向因子G1/神经突起生长导向因子G1抗体
Alias:	Axon guidance molecule; KIAA0976; Laminet 1; LMNT1; Netrin G1f; Netrin-G1; Ntng1; NTNG1_HUMAN; YLSR571.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=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:	54kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Netrin-G1:301-400/539
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
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:	This gene encodes a preproprotein that is processed into a secreted protein containing eukaryotic growth factor (EGF)-like domains. This protein acts to guide axon growth during neuronal development. Polymorphisms in this gene may be associated with schizophrenia. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Aug 2015].

Function:

Involved in controlling patterning and neuronal circuit formation at the laminar, cellular, subcellular and synaptic levels. Promotes neurite outgrowth of both axons and dendrites.

Subunit:

Interacts with NGL1.

Subcellular Location:

Cell membrane. Lipid-anchor, GPI-anchor, Extracellular side.

Tissue Specificity:

Highly expressed in the thalamus, with very low expression, if any, in other tissues.

Post-translational modifications:

N-glycosylated.

Similarity:

Contains 3 laminin EGF-like domains.

Contains 1 laminin N-terminal domain.

SWISS:

Q9Y2I2

Gene ID:

22854

Database links:

[Entrez Gene: 787473](#)Cow

[Entrez Gene: 490132](#)Dog

[Entrez Gene: 100714441](#)Guinea pig

[Entrez Gene: 100060362](#)Horse

[Entrez Gene: 22854](#)Human

[Entrez Gene: 80883](#)Mouse

[Entrez Gene: 100152257](#)Pig

[Entrez Gene: 100341879](#)Rabbit

[Entrez Gene: 295382](#)Rat

[Oimim: 608818](#)Human

[SwissProt: Q9Y2I2](#)Human

[SwissProt: Q8R4G0](#)Mouse

[Unigene: 657434](#)Human

[Unigene: 732535](#)Human

[Unigene: 39262](#)Mouse

[Unigene: 162628](#)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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