



Rabbit Anti-RTN4RL1 antibody

SL20071R

Product Name:	RTN4RL1
Chinese Name:	Nogo66受体相关蛋白3抗体
Alias:	DKFZp547J144; NgR 3; NgR3; NGRH 2; NGRH2; NGRL2; Nogo 66 receptor homolog 2; Nogo 66 receptor related protein 3; Nogo receptor like 2; Reticulon 4 receptor like 1; R4RL1 HUMAN.
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:	45kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RTN4RL1:101-300/441
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:	NgR3 is a 441 amino acid protein that belongs to the Nogo receptor family. Localized to the cell membrane, NgR3 contains 8 LRR (leucine-rich) repeats. NgR3 is predominantly expressed in brain, where it localizes to the surface of neurons, but is also found at lower levels in lung, placenta, kidney, mammary gland, skeletal muscle, spleen and salivary gland. NgR3 is thought to play a role in the regulation of axonal regeneration and

plasticity in the adult central nervous system. The gene that encodes NgR3 maps to human chromosome 17, which makes up over 2.5% of the human genome with about 81 million bases encoding over 1,200 genes.

Function:

RTN4RL1 may play a role in regulating axonal regeneration and plasticity in the adult central nervous system.

Subcellular Location:

Cell membrane; Lipid-anchor, GPI-anchor. Note: Localized to the surface of neurons, including axons

Tissue Specificity:

Predominantly expressed in brain. Expressed at lower levels in kidney, lung, mammary gland, placenta, salivary gland, skeletal muscle and spleen.

Similarity:

Belongs to the Nogo receptor family.
Contains 8 LRR (leucine-rich) repeats.
Contains 1 LRRCT domain.
Contains 1 LRRNT domain.

SWISS:

Q86UN2

Gene ID:

146760

Database links:

[Entrez Gene: 146760](#) Human

[Entrez Gene: 237847](#) Mouse

[Entrez Gene: 303311](#) Rat

[Omim: 610461](#) Human

[SwissProt: Q86UN2](#) Human

[SwissProt: Q8K0S5](#) Mouse

[SwissProt: Q80WD0](#) Rat

[Unigene:](#) Human

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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