



## Rabbit Anti-Lingo-1 antibody

SL1177R

<b>Product Name:</b>	Lingo-1
<b>Chinese Name:</b>	Nogo受体反应蛋白抗体
<b>Alias:</b>	FLJ14594; LERN 1; LERN1; Lingo1; Leucine rich repeat and Ig domain containing 1; Leucine rich repeat neuronal protein 1; Leucine rich repeat neuronal protein 6A; Leucine-rich repeat neuronal 6A; Lingo 1; LRR and Ig domain-containing Nogo Receptor interating protein; Lrrn 6a; Lrrn6a; Lrrn6a protein; MGC17422; Nogo Receptor interacting protein; UNQ201.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=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.
<b>Molecular weight:</b>	43kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Lingo-1:521-620/620
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	LINGO-1 (LRR and Ig domain-containing Nogo Receptor interating protein) is a nervous system-specific LRR-Ig-containing protein with an important role in CNS biology. LINGO-1 was discovered in a sequence database search for human SLIT

homologs that were selectively expressed in the brain. LINGO-1 is a transmembrane protein that is a component of the Nogo-66 receptor complex. It binds NgR1 and p75 and is an additional functional component of the NgR1/p75 signaling complex.

**Function:**

Functional component of the Nogo receptor signaling complex (RTN4R/NGFR) in RhoA activation responsible for some inhibition of axonal regeneration by myelin-associated factors. Is also an important negative regulator of oligodendrocyte differentiation and axonal myelination. Acts in conjunction with RTN4 and RTN4R in regulating neuronal precursor cell motility during cortical development.

**Subunit:**

Homotetramer. Forms ternary complex with RTN4R/NGFR and RTN4R/TNFRSF19.

**Subcellular Location:**

Cell membrane; Single-pass type I membrane protein.

**Tissue Specificity:**

Expressed exclusively in the central nervous system. Highest level in the amygdala, hippocampus, thalamus and cerebral cortex. In the rest of the brain a basal expression seems to be always present. Up-regulated in substantia nigra neurons from Parkinson disease patients.

**Post-translational modifications:**

N-glycosylated. Contains predominantly high-mannose glycans.

**Similarity:**

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Contains 11 LRR (leucine-rich) repeats.

Contains 1 LRRCT domain.

Contains 1 LRRNT domain.

Contains 1 LRRNT domain

**SWISS:**

Q96FE5

**Gene ID:**

84894

**Database links:**

[Entrez Gene: 415344](#)Chicken

[Entrez Gene: 84894](#)Human

[Entrez Gene: 235402](#)Mouse

[Entrez Gene: 315691](#)Rat

[Omim: 609791](#)Human

[SwissProt: Q50L44](#)Chicken

[SwissProt: Q6NUK3](#)Human

[SwissProt: Q96FE5](#)Human

[SwissProt: Q9D1T0](#)Mouse

[Unigene: 656765](#)Human

[Unigene: 246605](#)Mouse

[Unigene: 20269](#)Rat

**Important Note:**

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

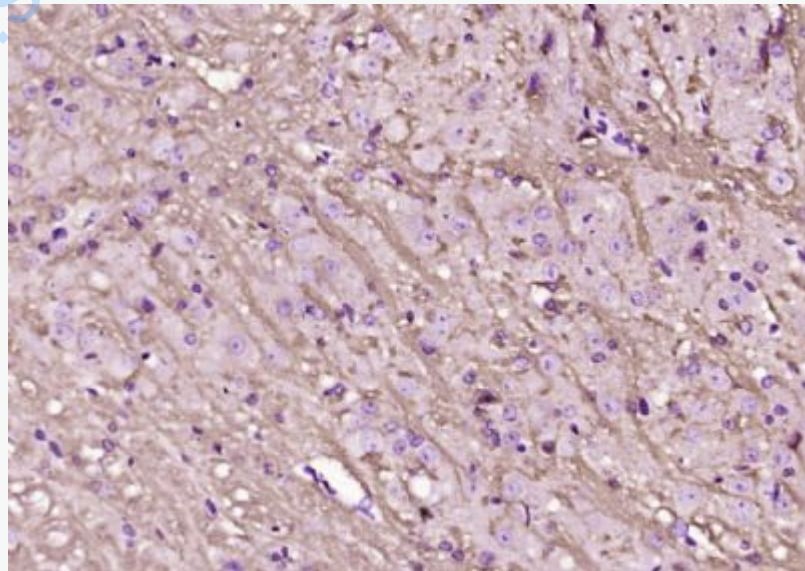
Neurobiology相关蛋白 (Neurobiology)

LINGO-

1是一种体内体外少突胶质细胞(Oligodendrocyte)分化和髓鞘(myelination)的负调控因子, 神经元上的LINGO-

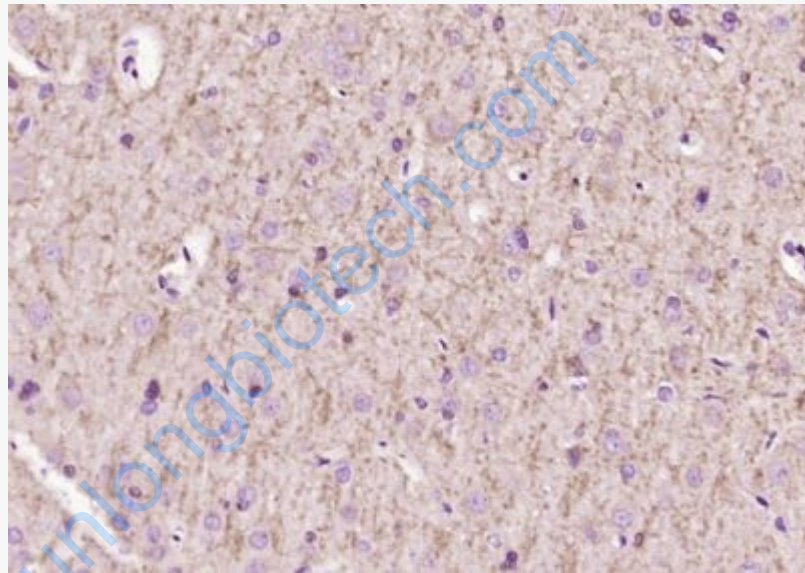
1被证明参与调节中枢神经再生的抑制信号, 而少突胶质细胞表达的LINGO-1分子参与负调节少突胶质细胞的髓鞘化过程, 是一种体内体外少突胶质细胞(Oligodendrocyte)分化和髓鞘(myelination)的负调控因子。

**Picture:**



Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum tissue); 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 (Lingo-1) Polyclonal Antibody, Unconjugated (SL1177R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); 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 (Lingo-1) Polyclonal Antibody, Unconjugated (SL1177R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.