

**LINGO1 Antibody (Internal)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11089****Specification**

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**LINGO1 Antibody (Internal) - Product Information**

Application	IHC
Primary Accession	<a href="#">Q96FE5</a>
Reactivity	Human, Mouse, Rabbit, Zebrafish, Monkey, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70kDa KDa

**LINGO1 Antibody (Internal) - Additional Information****Gene ID** 84894**Other Names**

Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1, Leucine-rich repeat and immunoglobulin domain-containing protein 1, Leucine-rich repeat neuronal protein 1, Leucine-rich repeat neuronal protein 6A, LINGO1, LERN1, LRRN6A

**Target/Specificity**

Human LINGO1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Store at 4°C for short term applications. For long term storage, aliquot and store at -20°C.

**Precautions**

LINGO1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**LINGO1 Antibody (Internal) - Protein Information****Name** LINGO1**Synonyms** LERN1, LRRN6A**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 (PubMed:<a href="http://www.uniprot.org/citations/14966521" target="\_blank">14966521</a>, PubMed:<a href="http://www.uniprot.org/citations/15694321" target="\_blank">15694321</a>). Is also an important negative regulator of oligodendrocyte differentiation and axonal myelination (PubMed:<a href="http://www.uniprot.org/citations/15895088" target="\_blank">15895088</a>). Acts in conjunction with RTN4 and RTN4R in regulating neuronal precursor cell motility during

cortical development (By similarity).

#### Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q9D1T0}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q9D1T0}

#### Tissue Location

Expressed exclusively in the central nervous system. Highest level in the in 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.

#### Volume

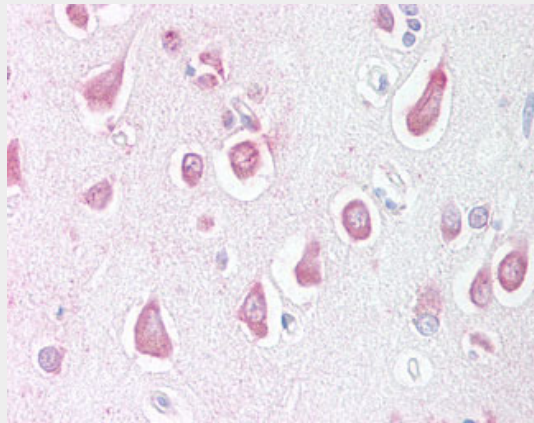
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### LINGO1 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### LINGO1 Antibody (Internal) - Images



Anti-LINGO1 antibody ALS11089 IHC of human brain, cortex.

### LINGO1 Antibody (Internal) - Background

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 (By similarity).

### LINGO1 Antibody (Internal) - References

Carim-Todd L.,et al.Eur. J. Neurosci. 18:3167-3182(2003).  
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).