

**Anti-LINGO1 Reference Antibody (opicinumab)  
Recombinant Antibody  
Catalog # APR10684****Specification**

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**Anti-LINGO1 Reference Antibody (opicinumab) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">O96FE5</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	144.76 KDa

**Anti-LINGO1 Reference Antibody (opicinumab) - Additional Information****Target/Specificity**  
LINGO1**Endotoxin**  
< 0.001EU/ µg,determined by LAL method.**Conjugation**  
Unconjugated**Expression system**  
CHO Cell**Format**  
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.**Storage**  
-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.**Anti-LINGO1 Reference Antibody (opicinumab) - 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 oligodentocyte 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

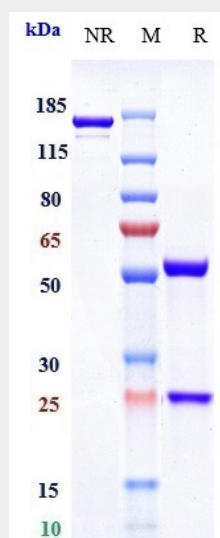
Expressed exclusively in the central nervous system. Highest level in the in amygdala, hippocampus, thalamus and cerebral cortex. In the rest of the brain a basal expression seems to be always present. Up-regulated in substantia nigra neurons from Parkinson disease patients.

### Anti-LINGO1 Reference Antibody (opicinumab) - Protocols

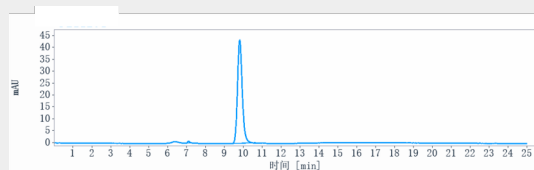
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-LINGO1 Reference Antibody (opicinumab) - Images



Anti-LINGO1 Reference Antibody (opicinumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-LINGO1 Reference Antibody (opicinumab) is more than 99.03%, determined by

SEC-HPLC.