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Anti-LINGO1 Reference Antibody (opicinumab)

Recombinant Antibody
Catalog # APR10684

Specification

Anti-LINGO1 Reference Antibody (opicinumab) - Product Information

Application	**FC, E, FTA**
Primary Accession	Q96FE5
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.

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:14966521, PubMed:15694321). Is also an important negative regulator of oligodentrocyte differentiation and axonal myelination (PubMed:15895088). 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}

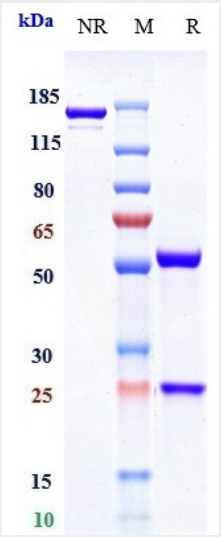
Tissue Location
Expressed exclusively in the central nervous system. Highest level in the in amygdala, hippocampus, thalamus and cerebral cortex. In the rest of the brain a basal expression seems to be always present. Up-regulated in substantia nigra neurons from Parkinson disease patients.

Anti-LINGO1 Reference Antibody (opicinumab) - Protocols

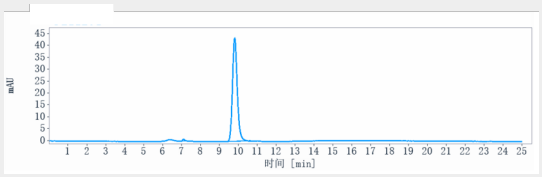
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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.