

LINGO-1(LRRN6A)-S596 (C-term) Antibody
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5096d**Specification**

LINGO-1(LRRN6A)-S596 (C-term) Antibody - Product Information

Application	WB, IHC-P,E
Primary Accession	Q9D1T0
Other Accession	Q9N008 , Q96FE5 , Q50L44
Reactivity	Human, Mouse
Predicted	Chicken, Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	575-603

LINGO-1(LRRN6A)-S596 (C-term) Antibody - Additional Information**Gene ID** 235402**Other Names**

Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1, Leucine-rich repeat neuronal protein 1, Leucine-rich repeat neuronal protein 6A, Lingo1, Lern1, Lrrn6a

Target/Specificity

This LINGO-1(LRRN6A) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 575-603 amino acids from the C-terminal region of human LINGO-1(LRRN6A).

Dilution

WB~~1:1000-1:2000

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

LINGO-1(LRRN6A)-S596 (C-term) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

LINGO-1(LRRN6A)-S596 (C-term) Antibody - 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. Is also an important negative regulator of oligodendrocyte differentiation and axonal myelination (By similarity). Acts in conjunction with RTN4 and RTN4R in regulating neuronal precursor cell motility during cortical development.

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

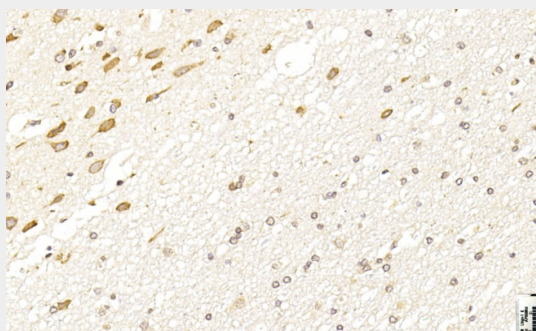
Highly specific expression in the central nervous system. Predominant expression in neocortex, amygdala, hippocampus, thalamus and entorhinal cortex, with lower levels in cerebellum and basal nuclei.

LINGO-1(LRRN6A)-S596 (C-term) Antibody - Protocols

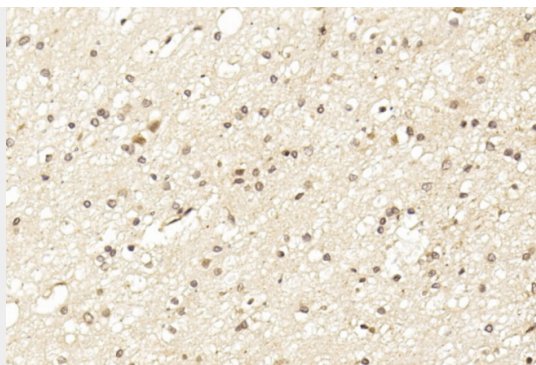
Provided below are standard protocols that you may find useful for product applications.

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

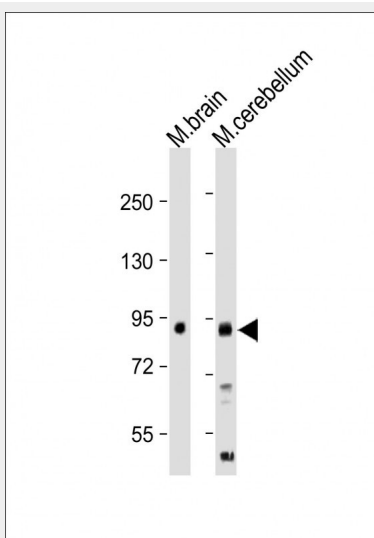
LINGO-1(LRRN6A)-S596 (C-term) Antibody - Images



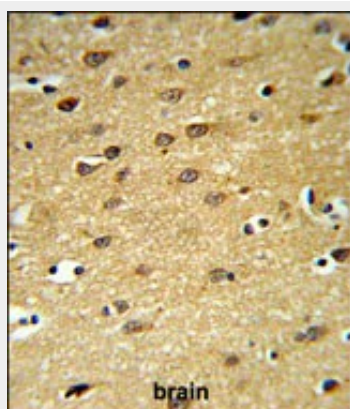
Immunohistochemical analysis of paraffin-embedded Human brain section using LINGO-1(LRRN6A)-S596 (C-term) Antibody (Cat#AP5096d). AP5096d was diluted at 1:50 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



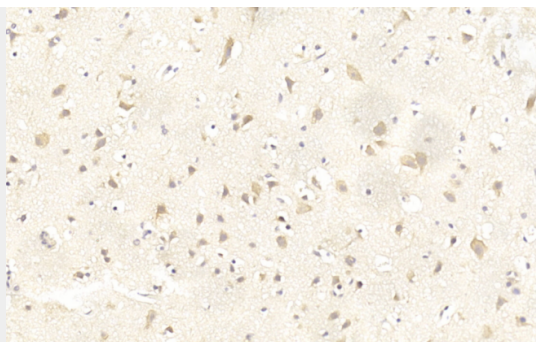
Immunohistochemical analysis of paraffin-embedded Human brain section using LINGO-1(LRRN6A)-S596 (C-term) Antibody(Cat#AP5096d). RB58167 was diluted at 1:125 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



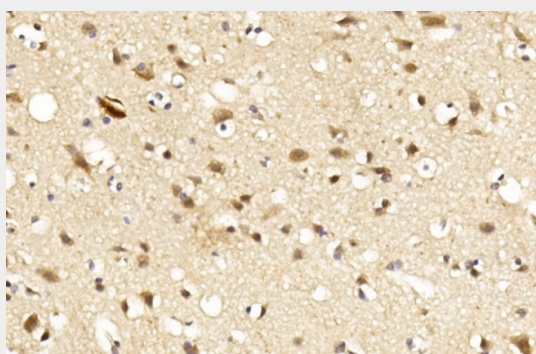
All lanes : Anti-LINGO-1(LRRN6A)-S596 (C-term) Antibody at 1:1000-1:2000 dilution Lane 1: Mouse brain lysate Lane 2: Mouse cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 69 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



LINGO-1(LRRN6A)-S596 (C-term) Antibody (Cat. #AP5096d) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the LINGO-1(LRRN6A)-S596 (C-term) Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



Immunohistochemical analysis of paraffin-embedded Human brain section using LINGO-1(LRRN6A)-S596 (C-term) Antibody (Cat#AP5096d). RB58169 was diluted at 1:250 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded Human brain section using LINGO-1(LRRN6A)-S596 (C-term) Antibody (Cat#AP5096d). RB58170 was diluted at 1:125 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

LINGO-1(LRRN6A)-S596 (C-term) Antibody - Background

LINGO-1 is functional component of the Nogo receptor signaling complex (RTN4R/NGFR) in RhoA activation responsible for some inhibition of axonal regeneration by myelin-associated factors. LINGO-1 is also an important negative regulator of oligodendrocyte differentiation and axonal myelination.

LINGO-1(LRRN6A)-S596 (C-term) Antibody - References

Mandai, K., et al. Neuron 63(5):614-627(2009)
Homma, S., et al. Gene Expr. Patterns 9(1):1-26(2009)
Pernet, V., et al. J. Neurosci. 28(29):7435-7444(2008)

LINGO-1(LRRN6A)-S596 (C-term) Antibody - Citations

- [Experimental validation of 5 in-silico predicted glioma biomarkers.](#)