

Rabbit Lingo1 Polyclonal Antibody | anti-LINGO1 antibody

Lingo1 Antibody

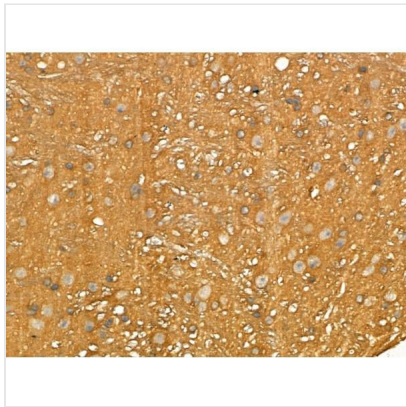
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328935	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(88%), Sheep(100%), Chicken(100%), Xenopus(88%)	ELISA

PRODUCT SYNONYMS

Lingo1; Polyclonal Antibody; Lingo1 Antibody; FLJ14594; LERN 1; LERN1; Leucine rich repeat and Ig domain containing 1; Leucine rich repeat neuronal 6A; Leucine rich repeat neuronal protein 1; Leucine rich repeat neuronal protein 6A; Leucine-rich repeat and immunoglobulin domain-containing protein 1; 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; LIGO1_HUMAN; Lingo 1; LINGO1; LRR and Ig domain containing Nogo Receptor interacting protein; Lrrn 6a; Lrrn6a; Lrrn6a protein; MGC17422; Nogo Receptor interacting protein; PRO227; UNQ201; anti-LINGO1 antibody

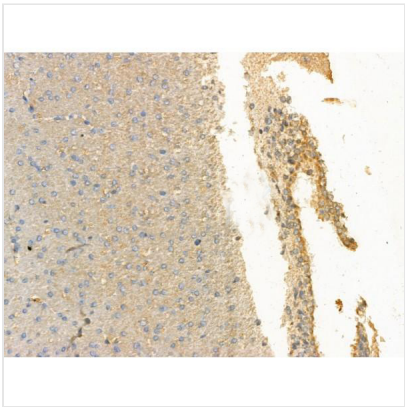
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(88%), Sheep(100%), Chicken(100%), Xenopus(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Lingo1 Antibody detects endogenous levels of total Lingo1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	614
Applicable Applications for anti-LINGO1 antibody	ELISA
Immunogen	A synthesized peptide derived from human Lingo1, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



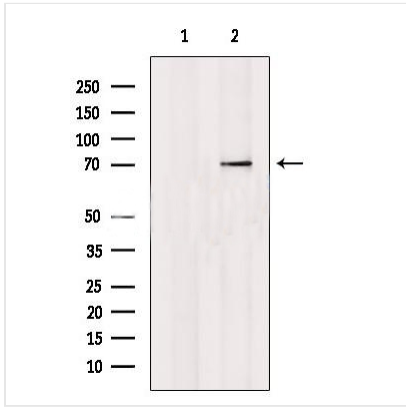
IHC (Immunohistochemisry)

AAA328935 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)

AAA328935 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Å°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from K562, using Lingo1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-LINGO1 antibody

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).

Post Translational Modifications: N-glycosylated. Contains predominantly high-mannose glycans.

Subcellular Location: Cell membrane>Single-pass type I membrane protein.

Tissue Specificity: 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.

Subunit Structure: Homotetramer (PubMed:17005555). Forms a ternary complex with RTN4R/NGFR and RTN4R/TNFRSF19 (PubMed:14966521, PubMed:15694321, PubMed:17005555). Interacts with NGRF and MYT1L (By similarity). Interacts with RTN4R (PubMed:19052207).

Similarity: The intracellular domain of LINGO1 interacts with MYT1L.

NCBI AND UNIPROT INFORMATION

NCBI GI #	667751605
NCBI GeneID	84894
NCBI Accession #	NP_001288115.1
NCBI GenBank Nucleotide #	NP_001288115.1
UniProt Accession #	Q96FE5
Molecular Weight	Observed Molecular Weight: (Observed)69kD. Predicted Molecular Weight: (Calculated)70kDa.
NCBI Official Full Name	leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1 isoform b
NCBI Official Synonym Full Names	leucine rich repeat and Ig domain containing 1
NCBI Official Symbol	LINGO1
NCBI Official Synonym Symbols	LERN1; MRT64; LRRN6A; UNQ201
NCBI Protein Information	leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1
UniProt Protein Name	Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1
UniProt Gene Name	LINGO1
UniProt Synonym Gene Names	LERN1; LRRN6A
UniProt Entry Name	LIGO1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/lingo1-antibody-elisa/328935>