



LIGO1 Polyclonal Antibody

Catalog No	YP-Ab-07156
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	LINGO1 LERN1 LRRN6A UNQ201/PRO227
Immunogen	Synthesized peptide derived from human protein . at AA range: 370-450
Specificity	LIGO1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BHLHB6;BHLHE21;Olg-1;Oligo1;Olg1;OLIG1_HUMAN;OLIG1;Class B basic helix-loop-helix protein 6 (bHLHb6);Class E basic helix-loop-helix protein 21 (bHLHe21);OLIG1_MOUSE;Oligodendrocyte-specific bHLH transcription factor 1;OLIG1_RAT;Olg-1 bHLH protein;LIGO1;LINGO1 LERN1 LRRN6A UNQ201/PRO227;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 pro
Observed Band	68kD
Calculated Molecular Weight	28 kDa
Cell Pathway	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.
Function	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.,PTM:N-glycosylated.



Contains predominantly high-mannose glycans.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 13 LRR (leucine-rich) repeats.,subunit:Homotetramer. Forms ternary complex with RTN4R/NGFR and RTN4R/TNFRSF19.,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.,

Background

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matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images