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# anti-LINGO1 antibody (Extracellular, N-Term)

3 Images



Overview		
Quantity:	25 μL	
Target:	LINGO1	
Binding Specificity:	AA 507-521, Extracellular, N-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This LINGO1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)	
Product Details		
Immunogen:	Immunogen: Synthetic peptide	
	Immunogen Sequence: (C)HVRSYSPDWPHQPNK, corresponding to amino acid residues 507-	
	521 of mouse LINGO-1	
Isotype:	IgG	
Characteristics:	Anti-LINGO-1 (extracellular) Antibody is directed against an extracellular epitope of mouse	
	LINGO-1. Anti-LINGO-1 (extracellular) Antibody (ABIN7043298, ABIN7044790 and	
	ABIN7044791)) can be used in western blot and immunohistochemistry applications. The	
	antibody recognizes an extracellular epitope, and is thus ideal for detecting the protein in living	
	cells. It has been designed to recognize LINGO-1 from human, mouse, and rat samples.	
Purification:	Affinity purified on immobilized antigen.	

## **Target Details**

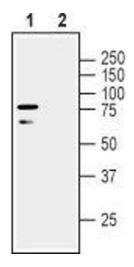
Target:	LING01	
Alternative Name:	LINGO-1 (LINGO1 Products)	
Background:	Alternative names: LINGO-1, Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1, Leucine-rich repeat neuronal protein 1, Leucine-rich repeat neuronal protein 6A, LRRN6A, LERN1	
Gene ID:	235402	
NCBI Accession:	NM_032808	
UniProt:	Q9D1T0	

# **Application Details**

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

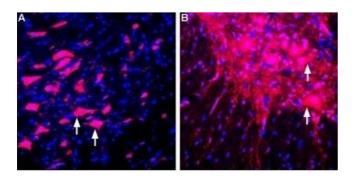
## Handling

Format:	Lyophilized
Reconstitution:	$25~\mu\text{L},50~\mu\text{L}$ or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.  Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week.  For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



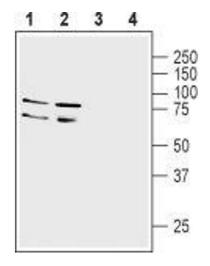
#### **Western Blotting**

Image 1. Western blot analysis of human SH-SY5Y neuroblastoma cell line lysate: - 1. Anti-LINGO-1 (extracellular) Antibody (ABIN7043298, ABIN7044790 and ABIN7044791), (1:500).2. Anti-LINGO-1 (extracellular) Antibody, preincubated with LINGO-1 (extracellular) Blocking Peptide (#BLP-NT032).



#### **Immunohistochemistry**

Image 2. Expression of LINGO-1 in rat brain and spinal cord - Immunohistochemical staining of perfusion-fixed frozen rat brain sections using Anti-LINGO-1 (extracellular) Antibody (ABIN7043298, ABIN7044790 and ABIN7044791), (1:400), followed by donkey-anti-rabbit-Cy3. A. LINGO-1 staining (red) is detected in sections of rat substantia nigra, in nigral neurons (arrows). B. Staining of rat spinal cord shows LINGO-1 labeling in ventral horn neurons (arrows). Cell nuclei are stained with DAPI (blue).



#### **Western Blotting**

**Image 3.** Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain membranes: - 1,2. Anti-LINGO-1 (extracellular) Antibody (ABIN7043298, ABIN7044790 and ABIN7044791), (1:200).3,4. Anti-LINGO-1 (extracellular) Antibody, preincubated with LINGO-1 (extracellular) Blocking Peptide (#BLP-NT032).