

## Anti-LINGO2 Antibody Picoband®

Catalog Number: A12658-1

### About LINGO2

Leucine rich repeat and Ig domain containing 2 is a protein that in humans is encoded by the LINGO2 gene. LINGO-2 (LRR and Ig domain-containing, Nogo Receptor-interacting protein 2; also LRRN6C and LERN3), is a member of the LRR transmembrane (TM) protein family. LINGO-2 is thought to function outside the CNS with little involvement by p75/NgR1. The human LINGO-2 precursor is a 606 amino acid (aa) type I TM protein that contains a large extracellular domain and a short cytoplasmic tail. The human LINGO-2 precursor is 99% and 98% aa identical to dog and mouse LINGO-2, respectively.

### Overview

Product Name	Anti-LINGO2 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-LINGO2 Antibody Picoband® catalog # A12658-1. Tested in WB, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q7L985

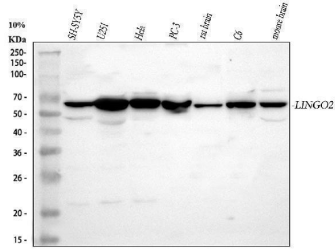
### Technical Details

Immunogen	E.coli-derived human LINGO2 recombinant protein (Position: C28-R513). Human LINGO2 shares 97.9% amino acid (aa) sequence identity with mouse LINGO2.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.

Suggested Dilutions

Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat  
ELISA, 0.1-0.5 ug/ml, -

## Anti-LINGO2 Antibody Picoband® (A12658-1) Images



Western blot analysis of LINGO2 using anti-LINGO2 antibody (A12658-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human SH-SY5Y whole cell lysates, Lane 2: human U251 whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: human PC-3 whole cell lysates, Lane 5: rat brain tissue lysates, Lane 6: rat C6 whole cell lysates, Lane 7: mouse brain tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-LINGO2 antigen affinity purified polyclonal antibody (Catalog # A12658-1) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for LINGO2 at approximately 68 kDa. The expected band size for LINGO2 is at 68 kDa.

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