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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-LRRC1 Antibody Picoband®

Catalog Number: A13956-2

About LRRC1

Lano is a member of the LAP (leucine-rich repeats and PDZ) family of proteins that also includes Densin-180, Erbin, and hScribble. The LAP proteins generally contain multiple leucine-rich repeat (LRR) domains which serve to target them to the basolateral membrane of epithelial cells. Lano is unique in that it alone does not possess one or more PDZ (PSD95/DLG/ZO-1) domains as do the other members of the LAP family. However, it can bind to the PDZ domain of Erbin in addition to those of membrane-associated and guanylate kinase (MAGUK) proteins which regulate adhesion and plasticity at cell junctions. It has been suggested that it is through these interaction that these LAP proteins participate in the maintenance of proper embryonic development and integrity of epithelial tissues.

Overview

Product Name	Anti-LRRC1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-LRRC1 Antibody Picoband® catalog # A13956-2. 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 Na2HPO4.
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	Q9BTT6

Technical Details

Immunogen	E.coli-derived human LRRC1 recombinant protein (Position: L120-R497). Human LRRC1 shares 91.8% amino acid (aa) sequence identity with mouse LRRC1.
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.

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Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat ELISA, 0.1-0.5 ug/ml, -

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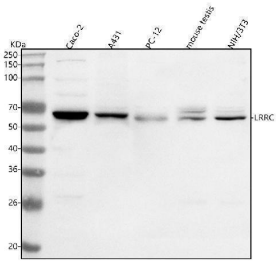
Anti-LRRC1 Antibody Picoband® (A13956-2) Images



Western blot analysis of LRRC1 using anti-LRRC1 antibody (A13956-2). 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 Caco-2 whole cell lysates, Lane 2: human A431 whole cell lysates, Lane 3: rat PC-12 whole cell lysates, Lane 4: mouse testis tissue lysates, Lane 5: mouse NIH/3T3 whole cell 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-LRRC1 antigen affinity purified polyclonal antibody (Catalog # A13956-2) 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 LRRC1 at approximately 59 kDa. The expected band size for LRRC1 is at 59 kDa.

Anti-LRRC1 Antibody

For Research Use Only. Not for use in diagnostic procedures.