

Anti-LRIG3 Antibody Picoband®

Catalog Number: PB10077

About LRIG3

LRIG3 (leucine-rich repeats and Ig-like domains-3) is a 140 kDa type I transmembrane glycoprotein member of the mammalian LRIG glycoprotein family. It shares 46.8% and 54.0% amino acid identity with LRIG1 and LRIG2, respectively, with highest conservation in the extracellular, transmembrane, and membrane-proximal sequences. This gene is mapped to chromosome 12q13.2. LRIG3 may play a role in craniofacial and inner ear morphogenesis during embryonic development. It also may act within the otic vesicle epithelium to control formation of the lateral semicircular canal in the inner ear, possibly by restricting the expression of NTN1.

Overview

Product Name	Anti-LRIG3 Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-LRIG3 Antibody Picoband® catalog # PB10077. Tested in WB applications. This antibody reacts with Human, 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	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , and 0.05 mg Na ₃ N. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q6UXM1

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human LRIG3, different from the related mouse sequence by one amino acid.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Rat

Anti-LRIG3 Antibody Picoband® (PB10077) Images



Western blot analysis of LRIG3 using anti-LRIG3 antibody (PB10077). 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: rat testis tissue lysates, Lane 2: HEPG2 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-LRIG3 antigen affinity purified polyclonal antibody (Catalog # PB10077) 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 LRIG3 at approximately 123 kDa. The expected band size for LRIG3 is at 123 kDa.

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Anti-LRIG3 Antibody

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