

Anti-LRIG3 Picoband Antibody
Catalog # ABO11695

Specification

Anti-LRIG3 Picoband Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | WB |
| Primary Accession | Q6UXM1 |
| Host | Rabbit |
| Reactivity | Human, Rat |
| Clonality | Polyclonal |
| Format | Lyophilized |

Description

Rabbit IgG polyclonal antibody for Leucine-rich repeats and immunoglobulin-like domains protein 3(LRIG3) detection. Tested with WB in Human;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-LRIG3 Picoband Antibody - Additional Information

Gene ID 121227

Other Names

Leucine-rich repeats and immunoglobulin-like domains protein 3, LIG-3, LRIG3, LIG3

Calculated MW

123434 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization

Cell membrane ; Single-pass type I membrane protein . Cytoplasmic vesicle membrane ; Single-pass type I membrane protein . Detected in cytoplasmic vesicles when coexpressed with ERBB4. .

Tissue Specificity

Widely expressed. .

Protein Name

Leucine-rich repeats and immunoglobulin-like domains protein 3

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

A synthetic peptide corresponding to a sequence in the middle region of human LRIG3 (428-465aa NAFSQMKKLQQLHLNLTSSLLCDCQLKWLPQWVAENNFQ), different from the related mouse sequence by one amino acid.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

Anti-LRIG3 Picoband Antibody - Protein Information

Name LRIG3

Synonyms LIG3

Function

May play a role in craniofacial and inner ear morphogenesis during embryonic development. 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 (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Cytoplasmic vesicle membrane; Single-pass type I membrane protein Note=Detected in cytoplasmic vesicles when coexpressed with ERBB4

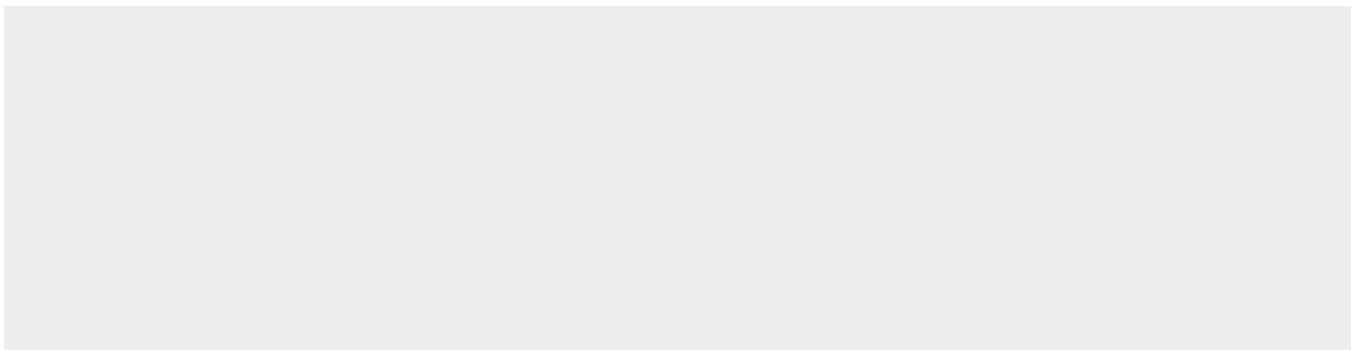
Tissue Location

Widely expressed..

Anti-LRIG3 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-LRIG3 Picoband Antibody - Images



Western blot analysis of LRIG3 expression in rat testis extract (lane 1) and HEPG2 whole cell lysates (lane 2). LRIG3 at 123KD was detected using rabbit anti- LRIG3 Antigen Affinity purified polyclonal antibody (Catalog # ABO11695) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-LRIG3 Picoband Antibody - Background

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.