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# 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<br>

**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 NaN3.

**Immunogen**
A synthetic peptide corresponding to a sequence in the middle region of human LRIG3 (428-465aa NAFSQMKKLQQLHLNTSSLLCDCQLKWLPQWVAENNFQ), 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 Cytomety
- Cell Culture

## Anti-LRIG3 Picoband Antibody - Images

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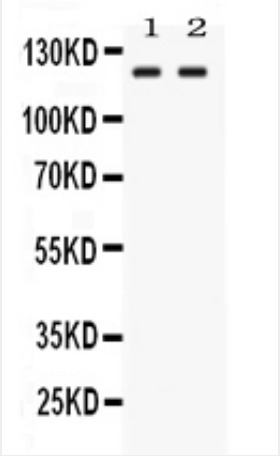


Western blot analysis of LRIG3 expression in rat testis extract (lane 1) and HEPG2 whole cell lysates (lane 2). LRIG3 at 123KD was detected using rabbit anti- LRIG3 Antigen Affinity purified polyclonal antibody (Catalog # ABO11695) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method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

**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.