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Datasheet for ABIN4886661

## anti-LRIG3 antibody (Middle Region)

### 1 Image

#### Overview

Quantity:	100 µg
Target:	LRIG3
Binding Specificity:	AA 428-465, Middle Region
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

#### Product Details

Purpose:	Rabbit IgG polyclonal antibody for Leucine-rich repeats and immunoglobulin-like domains protein 3(LRIG3) detection. Tested with WB in Human,Rat.
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.
Sequence:	NAFSQMKKLQ QLHLNTSSLL CDCQLKWLPQ WVAENNFQ
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Leucine-rich repeats and immunoglobulin-like domains protein 3(LRIG3) detection. Tested with WB in Human,Rat. Gene Name: leucine rich repeats and immunoglobulin like domains 3 Protein Name: Leucine-rich repeats and immunoglobulin-like domains protein 3

## Product Details

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Purification: Immunogen affinity purified.

## Target Details

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Target: LRIG3

Alternative Name: LRIG3 ([LRIG3 Products](#))

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.

Synonyms: LIG-3 | LIG3 | LRIG1-3 | Lrig3 | Q6UXM1

Gene ID: 121227

## Application Details

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Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat  
Notes: Tested Species: Species with positive results.  
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

## Handling

should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, 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.

## Images



### Western Blotting

**Image 1.** 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 # ) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).