

Anti-LRIG3 Picoband Antibody

Catalog # ABO11695

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.

Additional Information

Gene ID	121227
Other Names	Leucine-rich repeats and immunoglobulin-like domains protein 3, LIG-3, LRIG3, LIG3
Calculated MW	123434
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. .
Source	Eukaryota
Protein Name	Leucine-rich repeats and immunoglobulin-like domains protein 3
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human LRIG3 (428-465aa NAFSQMKKLQQLHLNTSSLLCDCQLKWLPQWVAENNFAQ), 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 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.
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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..

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.

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 .

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