LRIG3 Antibody (R32545)

Catalog No.	Formulation	Size
R32545	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q6UXM1
Localization	Cytoplasmic, membranous
Applications	Western blot: 0.5-1ug/ml
Limitations	This LRIG3 antibody is available for research use only.



Western blot testing of 1) rat testis and 2) human HepG2 lysate with LRIG3 antibody at 0.5ug/ml. Observed molecular weight: ~123 kDa (precursor), 140-170 kDa (glycosylated).

Description

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.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the LRIG3 antibody to be titrated for optimal performance.

Immunogen

Amino acids 428-465 (NAFSQMKKLQQLHLNTSSLLCDCQLKWLPQWVAENNFQ from the human protein were used as the immunogen for the LRIG3 antibody.

Storage

After reconstitution, the LRIG3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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