

Product Datasheet

LGR5/GPR49 Antibody



Catalog No: CY5369

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IP FC

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Information

UniProt ID: O75473

All Names: FEX; GPR49; GPR67; GRP49; MGC117008; LGR5; HG38;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 100 kDa

Application

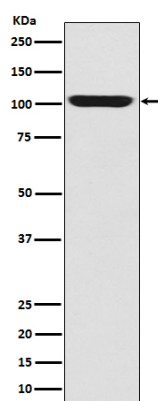
WB: 1:500~1:2000

IP: 1:50

FC: 1:200

Background

Receptor for R-spondins that potentiates the canonical Wnt signaling pathway and acts as a stem cell marker of the intestinal epithelium and the hair follicle. Upon binding to R-spondins (RSPO1, RSPO2, RSPO3 or RSPO4), associates with phosphorylated LRP6 and frizzled receptors that are activated by extracellular Wnt receptors, triggering the canonical Wnt signaling pathway to increase expression of target genes. In contrast to classical G-protein coupled receptors, does not activate heterotrimeric G-proteins to transduce the signal. Involved in the development and/or maintenance of the adult intestinal stem cells during postembryonic development.



Western blot analysis of GPR49 expression in Human fetal skeletal muscle lysate.

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