

LGR5 recombinant antibody

LGR5 Antibody

CATALOG # AAA243879	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Flow Cytometry, Functional Assay, Western Blot, ELISA
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PRODUCT SYNONYMS

LGR5; Monoclonal Recombinant Antibody; LGR5 Antibody; Leucine-rich repeat-containing G-protein coupled receptor 5 (G-protein coupled receptor 49) (G-protein coupled receptor 67) (G-protein coupled receptor HG38); GPR49 GPR67; LGR5 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	4H8
Purity/Purification	Affinity-chromatography
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, PH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Applicable Applications for LGR5 recombinant antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antibody Type	Recombinant Antibody
Conjugation	Non-conjugated
Immunogen	A synthesized peptide derived from human LGR5/GPR49
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Overlay histogram showing HepG2 cells stained with (red line) at 1:250. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*10⁶cells) for 1 h at 4?. The secondary antibody used was FITC-conjugated goat anti-rabbit IgG (H+L) at 1/200 dilution for 30min at 4?. Control antibody (green line) was Rabbit IgG (1ug/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.



WB (Western Blot)

Western BlotPositive WB detected in: SH-SY5Y whole cell lysate, Rat brain tissueAll lanes: LGR5 antibody at 1:1500SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 100, 98, 93 kDaObserved band size: 100 kDa

ADDITIONAL INFORMATION

Related Product Information for LGR5 recombinant antibody	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.
Product Categories/Family for LGR5 recombinant antibody	Cancer; Signal transduction; Stem cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	469608414
NCBI GeneID	8549
NCBI Accession #	NP_001264155.1
NCBI GenBank Nucleotide #	NM_001277226.1
UniProt Accession #	O75473; Q4VAM0; Q4VAM2; Q9UP75; D8MCT0
Molecular Weight	99998 MW
NCBI Official Full Name	leucine-rich repeat-containing G-protein coupled receptor 5 isoform 2
NCBI Official Synonym Full Names	leucine rich repeat containing G protein-coupled receptor 5
NCBI Official Symbol	LGR5
NCBI Official Synonym Symbols	FEX; HG38; GPR49; GPR67; GRP49
NCBI Protein Information	leucine-rich repeat-containing G-protein coupled receptor 5
UniProt Protein Name	Leucine-rich repeat-containing G-protein coupled receptor 5
UniProt Gene Name	LGR5
UniProt Synonym Gene Names	GPR49; GPR67

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/lgr5-recombinant-antibody-clone-4h8-flow-cytometry-western-blot-elisa/243879>