LGR5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LGR5, Polyclonal Antibody
Full Product Name	LGR5
Product Gene Name	anti-LGR5 antibody
Product Synonym Names	Purified Rabbit Anti Human LGR5 Polyclonal antibody; FEX; GPR49; GPR67; GRP49; HG38
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human Predicted: Rat, Mouse
Form/Format	Already dissolved in sterile H2O with 1% BSA and 0.02% NaN3 and 50% Glycerol.
Purity/Purification	Purified By Antigen Affinity Column
Immunogen	Recombinant fragment corresponding to 45-225aa of human LGR5.
Cellular Localization	Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-LGR5 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-LGR5 antibody	ELISA: 1:20000-80000 WB: 1:200-1,000 IHC: 1:100-500
Related Product Information for anti-LGR5 antibody	MBS8562892 is an antibody targeting LGR5. Reactive in Human Predicted: Rat, Mouse. Host: Rabbit. Homo sapiens leucine-rich repeat-containing G protein-coupled receptor 5, mRNA
Product References and Citations for anti-LGR5 antibody	Hsu SY, Liang SG, Hsueh AJ. Characterization of two LGR genes homologous to gonadotropin and thyrotropin receptors with extracellular leucine-rich repeats and a G protein-coupled, seven-transmembrane region. Mol Endocrinol. 12(12):1830-45 (1998)
Other Notes	Small volumes of anti-LGR5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LGR5. It may not necessarily be applicable to this product.

NCBI GI #	109730132
NCBI GeneID	8549
NCBI Accession #	BC096324
UniProt Related Accession #	O75473
NCBI Official Full Name	Homo sapiens leucine-rich repeat-containing G protein-coupled receptor 5, mRNA

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
Protein Family	Leucine-rich repeat-containing G-protein coupled receptor
NCBI Protein Information	leucine-rich repeat-containing G-protein coupled receptor 5
NCBI Summary for LGR5	The protein encoded by this gene is a leucine-rich repeat-containing receptor (LGR) and member of the G protein-coupled, 7-transmembrane receptor (GPCR) superfamily. The encoded protein is a receptor for R-spondins and is involved in the canonical Wnt signaling pathway. This protein plays a role in the formation and maintenance of adult intestinal stem cells during postembryonic development. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]
Research Articles on LGR5	**1.** At 4 to 5 weeks of fetal age, the LGR5(+) population appears to emerge specifically in the proximal outflow tract of human embryonic hearts and thereafter promotes cardiac development
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