Product Datasheet

LGR5/GPR49 Rabbit mAb

Catalog No: #48810

Package Size: #48810-1 50ul #48810-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

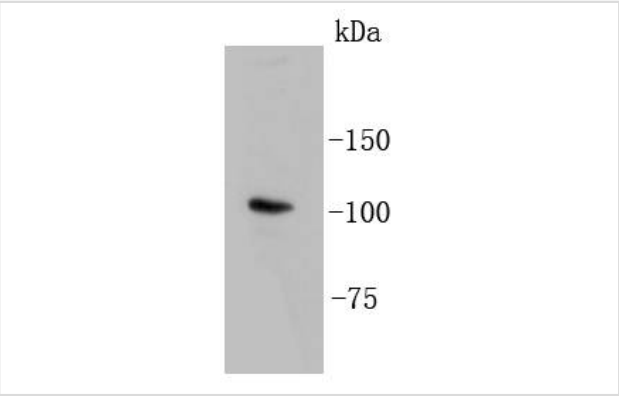
Description

Product Name	LGR5/GPR49 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SU32-04
Purification	ProA affinity purified
Applications	WB, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	FEX antibody G protein coupled receptor 49 antibody G protein coupled receptor 67 antibody g protein-coupled receptor fex antibody G-protein coupled receptor 49 antibody G-protein coupled receptor 67 antibody G-protein coupled receptor HG38 antibody GPR 49 antibody GPR 67 antibody GPR49 antibody GPR67 antibody GRP 49 antibody GRP49 antibody HG 38 antibody HG38 antibody Leucine rich repeat containing G protein coupled receptor 5 antibody Leucine-rich repeat-containing G-protein coupled receptor 5 antibody LGR 5 antibody LGR5 antibody LGR5_HUMAN antibody MGC117008 antibody Orphan G protein coupled receptor HG38 antibody
Accession No.	Swiss-Prot#:O75473
Uniprot	O75473
GeneID	8549;
Calculated MW	100 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

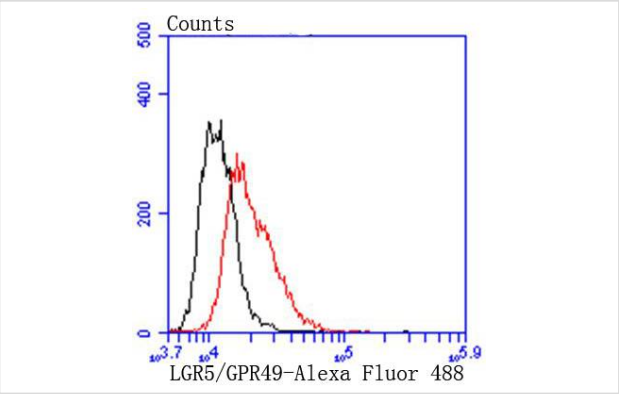
Application Details

WB: 1:1,000 FC: 1:50-1:100

Images



Western blot analysis of LGR5/GPR49 on SH-SY-5Y lysates using anti-LGR5/GPR49 antibody at 1/1,000 dilution.



Flow cytometric analysis of SH-SY-5Y cells with LGR5/GPR49 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

G protein-coupled receptors (GPCRs), also designated seven transmembrane (7TM) receptors or heptahelical receptors, interact with G proteins (heterotrimeric GTPases) to synthesize intracellular second messengers, such as diacylglycerol, cyclic AMP, inositol phosphates and calcium ions. Their diverse biological functions range from vision and olfaction to neuronal and endocrine signaling and are involved in many pathological conditions. LGR5 (leucine-rich repeat-containing G-protein coupled receptor 5), also known as GPR49 or GPR67, is a 907 amino acid multi-pass membrane protein that contains 17 leucine-rich repeats and belongs to the G protein-coupled receptor family. Expressed in placenta, skeletal muscle and spinal cord, LGR5 functions as an orphan receptor that is thought to play an important role in embryonic growth control and cellular differentiation. Overexpression of LGR5 is associated with increased tumor susceptibility and malignant transformation, implicating LGR5 as a potent tumor-inducing protein.

References

Note: This product is for in vitro research use only