Datasheet for ABIN5536143

anti-LGR5 antibody (N-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	LGR5
Binding Specificity:	AA 238-270, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LGR5 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This LGR5/GPR49 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 238-270 amino acids from the N-terminal region of human LGR5/GPR49.
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis

Target Details

Target:	LGR5
Alternative Name:	LGR5/GPR49 (LGR5 Products)

Target Details

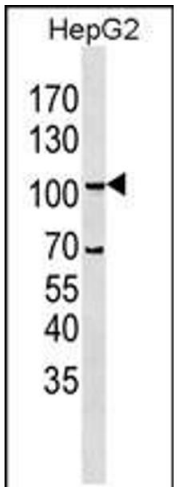
Background:	LGR5/GPR49 is an orphan receptor. It may be an important receptor for signals controlling growth and differentiation of specific embryonic tissues.
Molecular Weight:	100 kDa
Gene ID:	8549
UniProt:	O75473
Pathways:	WNT Signaling

Application Details

Application Notes:	For WB starting dilution is: 1:1000 For IHC-P starting dilution is: 1:10~50 For FACS starting dilution is: 1:10~50 For IF starting dilution is: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	2 mg/mL
Buffer:	Supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

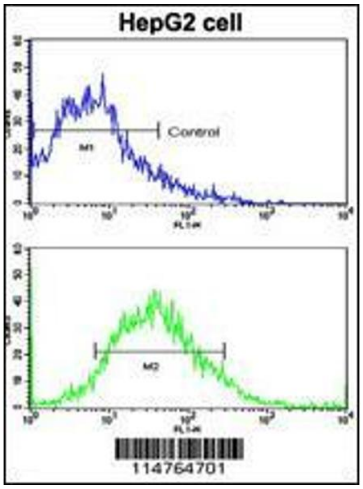


Western Blotting

Image 1. Western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the LGR5/GPR49 antibody detected the LGR5/GPR49 protein (arrow)(Kindly offered by Dr. Li).

Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human brain tissue reacted with LGR5/GPR49 antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Flow Cytometry

Image 3. Flow cytometric analysis of HepG2 cells using LGR5/GPR49 Antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.