

Datasheet for ABIN5536141
anti-LGR5 antibody (AA 689-719)



[Go to Product page](#)

3 Images

Overview

Quantity:	200 µL
Target:	LGR5
Binding Specificity:	AA 689-719
Reactivity:	Human, Mouse, Rat
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 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 689-719 amino acids from human LGR5.
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	LGR5
Alternative Name:	LGR5 (LGR5 Products)
Background:	LGR5/GPR49 is an orphan receptor. It may be an important receptor for signals controlling growth and differentiation of specific embryonic tissues. Stem cell marker of the intestinal

Target Details

epithelium and the hair follicle. Target gene of Wnt signaling. Expressed in skeletal muscle, placenta, spinal cord, and various region of brain. Expressed at the base of crypts in colonic and small mucosa stem cells. In premalignant cancer expression is not restricted to the cript base. Overexpressed in cancers of the ovary, colon and liver.

Molecular Weight: 100 kDa

Gene ID: 8549

UniProt: [O75473](#)

Pathways: [WNT Signaling](#)

Application Details

Application Notes: For FACS starting dilution is: 1:25

For IHC-P starting dilution is: 1:25

For WB starting dilution is: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.28 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.

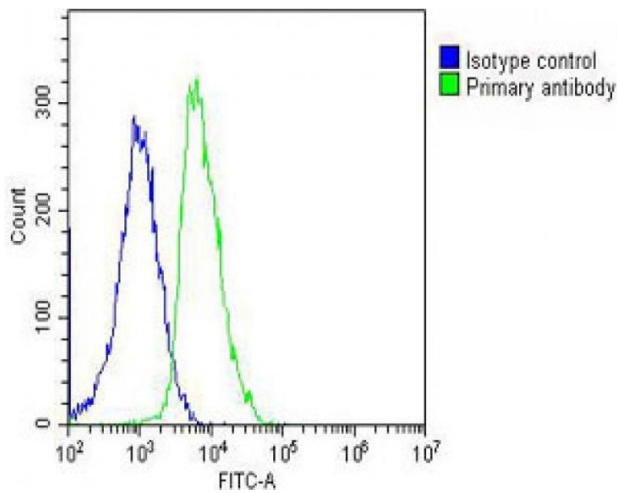


Image 1. Overlay histogram showing SH-SY5Y cells stained with Antibody (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1 μ g/ 1×10^6 cells) used under the same conditions. Acquisition of >10,000 events was performed.

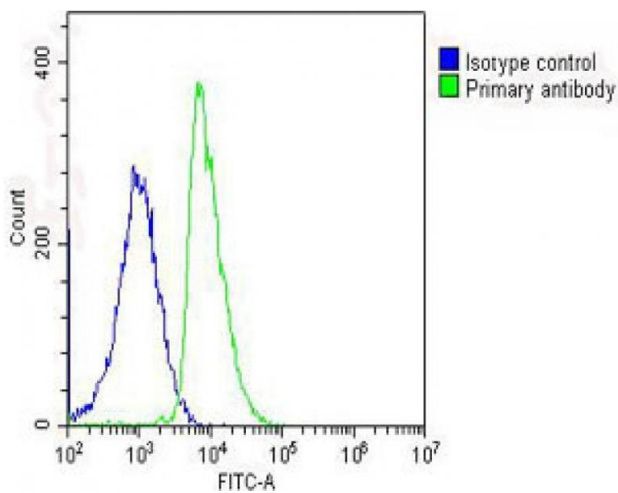


Image 2. Overlay histogram showing SH-SY5Y cells stained with Antibody (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1 μ g/ 1×10^6 cells) used under the same conditions. Acquisition of >10,000 events was performed.

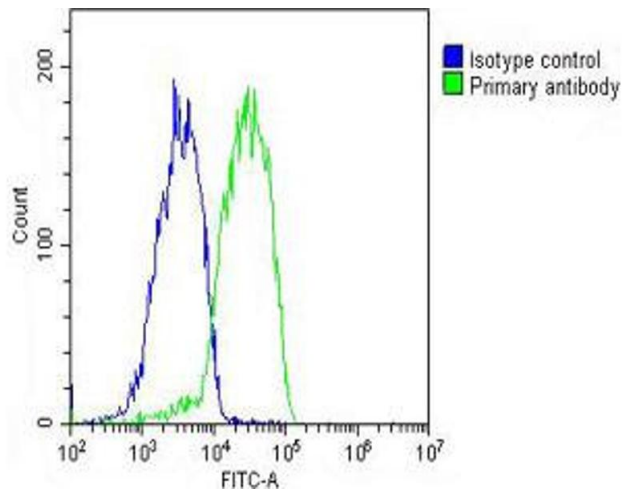


Image 3. Overlay histogram showing HepG2 cells stained with Antibody (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1ug/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.