LGR5 Recombinant Antibody

RACO0242

Product Information

Size:

50ul

Reactivity:

Human, Rat

Source:

Homo sapiens (Human)

Isotype:

Rabbit IgG

Applications:

ELISA, WB, FC

Recommended dilutions:

WB:1:500-1:5000, FC:1:20-1:200

Protein Background:

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.

Gene ID:

LGR5

Uniprot

O75473

Synonyms:

Leucine-rich repeat-containing G-protein coupled receptor 5 (G-protein coupled receptor 49) (G-protein coupled receptor 67) (G-protein coupled receptor HG38), LGR5, GPR49 GPR67

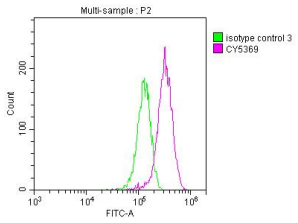
Immunogen:

A synthesized peptide derived from human LGR5/GPR49.

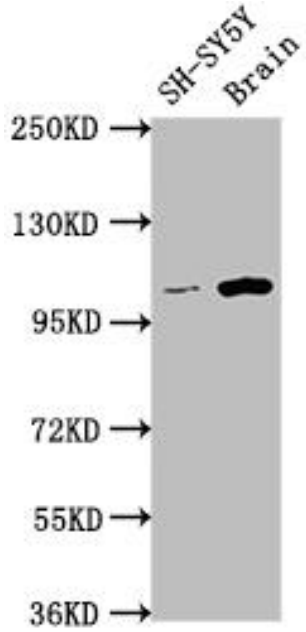
Storage:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Product Images



Overlay histogram showing HepG2 cells stained with RACO0242 (red line) at 1:50. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followedby the antibody (1µg)1*106cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated goat anti-rabbit IgG (H+L) at 1/200 dilution for 30min)at 4°C. Control antibody (green line) was Rabbit IgG (1µg)1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



Western Blot
Positive WB detected in(SH-SY5Y whole cell lysate) Rat brain tissue
All lanes: LGR5 antibody at 1:1500
Secondary
Goat polyclonal to rabbit IgG at 1:50000 dilution
Predicted band size: 100, 98, 93 kDa
Observed band size: 100 kDa

