CAB10545

## Product Information Size:

20uL, 50uL, 100uL, 200uL
Observed MW:
105 kDa
Calculated MW:
92kDa/97kDa/99kDa
Applications:
WB IF
Reactivity:
Human, Mouse, Rat

## Antibody Information

## Recommended dilutions:

WB 1:1000-1:2000 IF 1:50

- 1:200


## Source:

Rabbit

Isotype:
IgG

## Protein Background

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.

## Immunogen information

## Gene ID:

8549

## Uniprot

075473

## Synonyms:

LGR5; FEX; GPR49; GPR67; GRP49; HG38

## Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 824-907 of human LGR5 (NP_003658.1).

## Storage:

Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles. Buffer: PBS with $0.02 \%$ sodium azide, 50\% glycerol, pH7.3.

## Purification:

Affinity purification


Western blot analysis of extracts of various cell lines, using LGR5 antibody (CAB10545) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3\% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.

Immunofluorescence analysis of NIH/3T3 cells using LGR5 antibody (CAB10545) at dilution of $1: 100$. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of PC12 cells using LGR5 antibody (CAB10545) at dilution of 1:100.

