

# LGR5/GPR49 Rabbit pAb

Catalog No.: A10545 **9 Publications**

## Basic Information

### Observed MW

100kDa

### Calculated MW

100kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Mouse, Rat

## 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.

## Recommended Dilutions

WB 1:1000 - 1:5000

IHC-P 1:100 - 1:500

## Immunogen Information

### Gene ID

8549

### Swiss Prot

O75473

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 824-907 of human LGR5/GPR49 (NP\_003658.1).

### Synonyms

FEX; HG38; GPR49; GPR67; GRP49; LGR5/GPR49

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

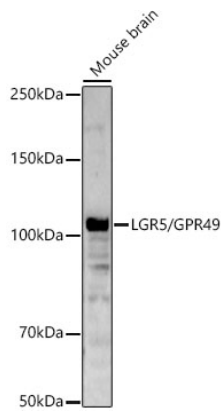
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of lysates from Mouse brain using LGR5/GPR49 Rabbit pAb(A10545) at 1:2000 dilution.

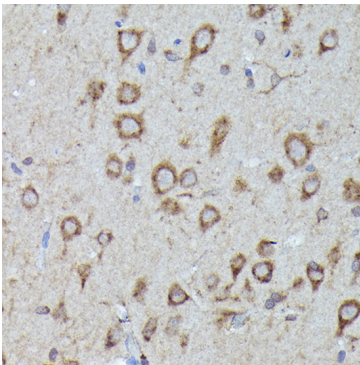
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

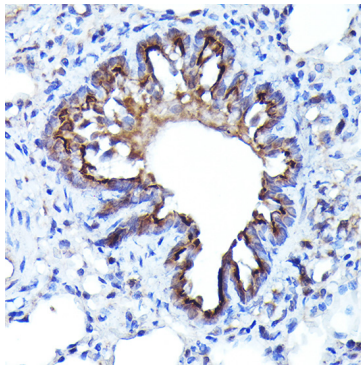
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

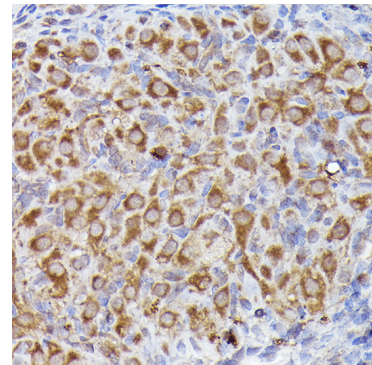
Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded rat brain using LGR5/GPR49 Rabbit pAb (A10545) at dilution of 1:300 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat lung using LGR5/GPR49 Rabbit pAb (A10545) at dilution of 1:300 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat ovary using LGR5/GPR49 Rabbit pAb (A10545) at dilution of 1:300 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.