

For Research Use Only

# LGR5 Polyclonal antibody

Catalog Number: 30007-1-AP

4 Publications



## Basic Information

Catalog Number:

30007-1-AP

Size:

150ul , Concentration: 750 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31625

GenBank Accession Number:

BC096324

GeneID (NCBI):

8549

UNIPROT ID:

O75473

Full Name:

leucine-rich repeat-containing G protein-coupled receptor 5

Calculated MW:

907 aa, 100 kDa

Observed MW:

100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : mouse brain tissue, rat brain tissue

## Background Information

Leucine-rich repeat-containing G-protein coupled receptor 5 (LGR5) also known as G-protein coupled receptor 49 (GPR49) or G-protein coupled receptor 67 (GPR67) is a protein that in humans is encoded by the LGR5 gene. It is a member of GPCR class A receptor proteins. R-spondin proteins are the biological ligands of LGR5. LGR5 is expressed across a diverse range of tissue such as in the muscle, placenta, spinal cord and brain and particularly as a biomarker of adult stem cells in certain tissues. LGR5 is crucial during embryogenesis as LGR null studies in mice incurred 100% neonatal mortality accompanied by several craniofacial distortions such as ankyloglossia and gastrointestinal dilation (PMID: 9642114, 16575208, 525477).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qingbo Zheng	40158578	Int J Biol Macromol	IF
Yu-Tong Wu	39479995	Zool Res	IF
Yang Jiao	39053176	Acta Histochem	IF

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

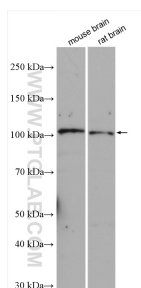
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30007-1-AP (LGR5 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.