

For Research Use Only

LGR5 Polyclonal antibody

Catalog Number: 30007-1-AP

3 Publications



Basic Information

Catalog Number:

30007-1-AP

Concentration:

750 µg/ml

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
Yu-Tong Wu	39479995	Zool Res	IF
Yang Jiao	39053176	Acta Histochem	IF
Lingling Wu	38444637	Burns Trauma	IHC

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

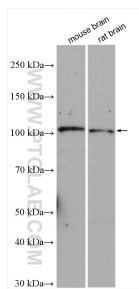
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.