

For Research Use Only

# LGR5 Recombinant monoclonal antibody, PBS Only

Catalog Number:86627-1-PBS



## Basic Information

Catalog Number:

86627-1-PBS

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:

Protein A purification

CloneNo.:

251491A5

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

## 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).

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

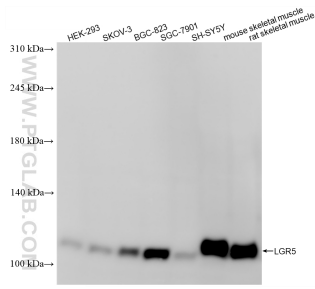
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86627-1-RR (LGR5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86627-1-PBS in a different storage buffer formulation.