

For Research Use Only

LGR5 Polyclonal antibody

Catalog Number: 30007-1-AP



Basic Information

Catalog Number: 30007-1-AP	GenBank Accession Number: BC096324	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 750 µg/ml by Nanodrop;	GeneID (NCBI): 8549	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: leucine-rich repeat-containing G protein-coupled receptor 5	
Isotype: IgG	Calculated MW: 907 aa, 100 kDa	
Immunogen Catalog Number: AG31625	Observed MW: 110 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
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

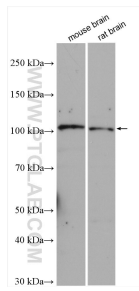
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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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.