

For Research Use Only

LGR5 Recombinant monoclonal antibody, PBS Only

Catalog Number:86627-1-PBS



Basic Information

Catalog Number: 86627-1-PBS	GenBank Accession Number: BC096324	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8549	CloneNo.: 251491A5
Source: Rabbit	UNIPROT ID: O75473	
Isotype: IgG	Full Name: leucine-rich repeat-containing G protein-coupled receptor 5	
Immunogen Catalog Number: AG31625	Calculated MW: 907 aa, 100 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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.

Storage Buffer:
PBS only, pH7.3

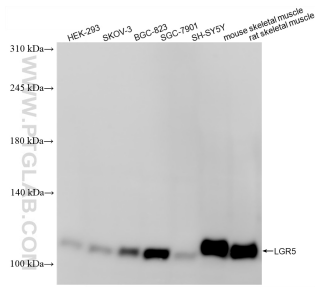
For technical support and original validation data for this product please contact:

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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.