

For Research Use Only

# LGR5 Polyclonal antibody

Catalog Number: 21833-1-AP **8 Publications**



## Basic Information

<b>Catalog Number:</b> 21833-1-AP	<b>GenBank Accession Number:</b> BC096324	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 373 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8549	<b>Recommended Dilutions:</b> IHC 1:100-1:400
<b>Source:</b> Rabbit	<b>Full Name:</b> leucine-rich repeat-containing G protein-coupled receptor 5	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 907 aa, 100 kDa	
<b>Immunogen Catalog Number:</b> AG16389		

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human small intestine tissue, human colon tissue, human colon cancer tissue, human liver cancer tissue
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

LGR5, also named as GPR49, GPR67 and HG38, belongs to the G-protein coupled receptor 1 family. It is an orphan receptor. LGR5 is a stem cell marker of the intestinal epithelium and the hair follicle. It is a target gene of Wnt signaling.

## Notable Publications

Author	Pubmed ID	Journal	Application
Gabriella Cunha Vieira	26517508	Oncotarget	IHC
John Clark-Corrigan	36318235	Cancer Invest	WB
Rei Ishibashi	31807163	Oncol Lett	

## Storage

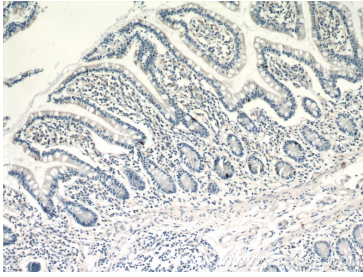
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

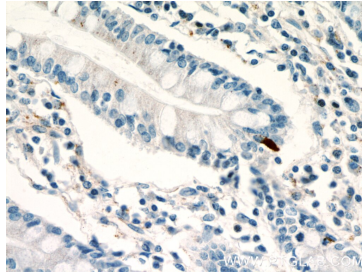
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human small intestine using 21833-1-AP (LGR5 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine using 21833-1-AP (LGR5 antibody) at dilution of 1:200 (under 40x lens).