

For Research Use Only

# LGR6 Polyclonal antibody

Catalog Number: 17658-1-AP

Featured Product

6 Publications



## Basic Information

<b>Catalog Number:</b> 17658-1-AP	<b>GenBank Accession Number:</b> BC047905	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 350 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 59352	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> leucine-rich repeat-containing G protein-coupled receptor 6	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 915 aa, 99 kDa	
<b>Immunogen Catalog Number:</b> AG11909	<b>Observed MW:</b> 104 kDa	

## Applications

### Tested Applications:

FC, IHC, WB, ELISA

### Cited Applications:

ELISA, IHC, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB:** HUVEC cells, mouse testis tissue, human brain tissue

**IHC:** human testis tissue, human spleen tissue, human ovary tissue

## Background Information

LGR6 (Leucine-rich repeat-containing G-protein coupled receptor 6) is a seven-transmembrane protein. LGR6 is a high affinity receptor of R-spondins that potentiates the canonical Wnt signaling pathway and acts as a marker of multipotent stem cells in the epidermis. It potentially functions as a tumor suppressor. (PMID: 20223988; 20417836; 22615920)

## Notable Publications

Author	Pubmed ID	Journal	Application
Nan Chiang	31657786	J Clin Invest	
Raquel Rodrigues	31163044	PLoS One	WB
Vikram Khedgikar	30828690	JBMR Plus	WB

## 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

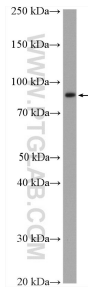
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

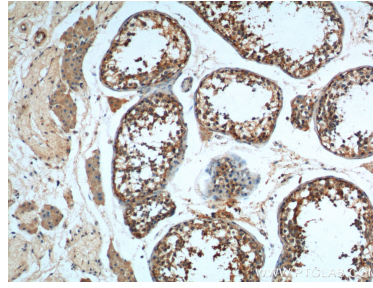
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

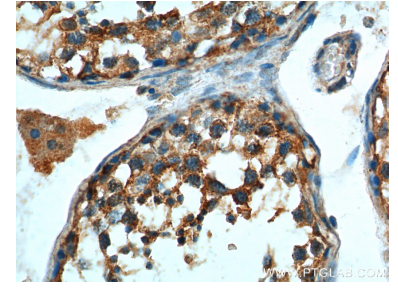
## Selected Validation Data



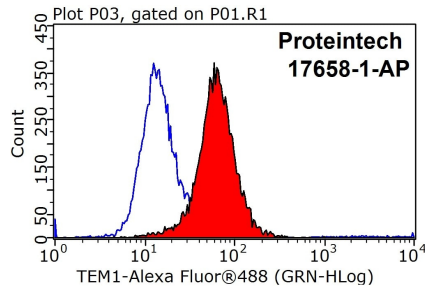
HUVEC cells were subjected to SDS PAGE followed by western blot with 17658-1-AP (LGR6 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



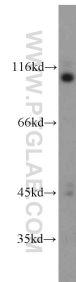
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 17658-1-AP (LGR6 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 17658-1-AP (LGR6 Antibody) at dilution of 1:200 (under 40x lens).



1X10<sup>6</sup> HeLa cells were stained with 0.2ug LGR6 antibody (17658-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



mouse testis tissue were subjected to SDS PAGE followed by western blot with 17658-1-AP (LGR6 antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.