

For Research Use Only

LGR4 Polyclonal antibody

Catalog Number: 20150-1-AP **7 Publications**



Basic Information

Catalog Number: 20150-1-AP	GenBank Accession Number: BC033039	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop;	GeneID (NCBI): 55366	Recommended Dilutions: IHC 1:1000-1:4000
Source: Rabbit	UNIPROT ID: Q9BXB1	
Isotype: IgG	Full Name: leucine-rich repeat-containing G protein-coupled receptor 4	
Immunogen Catalog Number: AG13695	Calculated MW: 104 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human small intestine tissue,
Cited Applications: WB, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, pig	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

LGR4, also known as GPR48, is a member of the leucine-rich GPCR family. LGR4 is composed of a large NH₂-terminal extracellular domain containing 18 LRRs, the seven membrane-spanning segments, and a COOH-terminal intracellular domain. LGR4 is a receptor for R-spondins that potentiates the canonical Wnt signaling pathway and is involved in the formation of various organs. It has also been shown that LGR4 regulates cyclic AMP/protein kinase A (PKA) signalling. (PMID: 23756652; 17178856; 24212090)

Notable Publications

Author	Pubmed ID	Journal	Application
Pingping Zhu	30224759	Nat Cell Biol	WB
Xiaofeng Zhou	34175894	Cell Death Dis	WB
Xuesong Su	34181940	Exp Cell Res	IHC

Storage

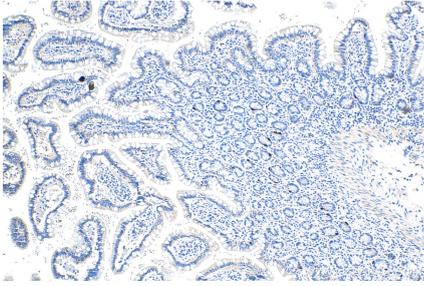
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

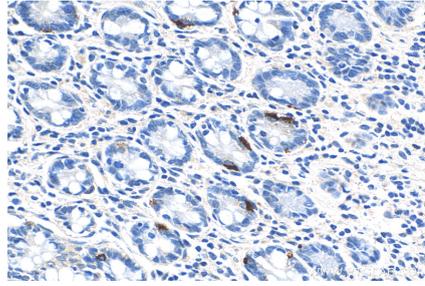
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 20150-1-AP (LGR4 antibody) at dilution of 1:2000 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 20150-1-AP (LGR4 antibody) at dilution of 1:2000 (under 40x lens).