For Research Use Only

GPR116 Polyclonal antibody

Catalog Number:14047-1-AP 3 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
14047-1-AP

Size:
150ul , Concentration: 300 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG5214

GenBank Accession Number:
BC066121

GeneID (NCBI):
221395

UNIPROT ID:
Q8IZF2

Full Name:
G protein-coupled receptor 116

Calculated MW:
1346 aa, 149 kDa

Observed MW:
149 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC

Species Specificity:
human

Cited Species:
human

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 : HEK-293 cells, HeLa cells, Y79 cells

IHC : human kidney tissue,

Background Information

GPR116 (ADGRF5, adhesion G protein-coupled receptor F5) is involved in the G protein-coupled receptor signaling pathway and cell surface receptor signaling pathway. may act upstream of or within several processes, including glomerular filtration; pharyngeal arch artery morphogenesis; and surfactant homeostasis.

Notable Publications

Author	Pubmed ID	Journal	Application
Li Yang	28624786	Oncotarget	WB,IHC
Tian Zheng	35049225	Medicine (Baltimore)	IHC
Ginny Xiaohe Li	38703764	Cell Rep Med	IHC

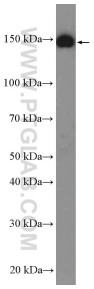
Storage

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

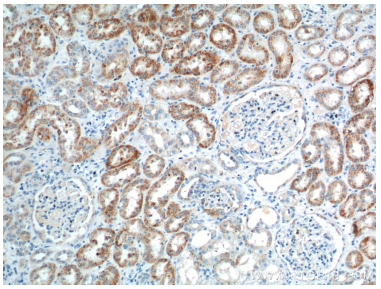
*** 20ul sizes contain 0.1% BSA

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)
E: proteintech@ptglab.com
W: ptglab.com

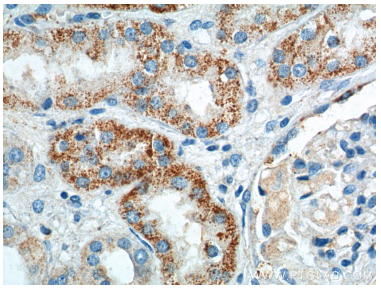
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 14047-1-AP (GPR116 Antibody) at dilution of 1:600 incubated at 4 degree celsius over night.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14047-1-AP (GPR116 Antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14047-1-AP (GPR116 Antibody) at dilution of 1:100 (under 40x lens).