

For Research Use Only

GPR108 Polyclonal antibody

Catalog Number: 24009-1-AP **2 Publications**



Basic Information

Catalog Number: 24009-1-AP	GenBank Accession Number: BC007862	Purification Method: Antigen Affinity purified
Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 360 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 56927	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	Full Name: G protein-coupled receptor 108	
Isotype: IgG	Calculated MW: 61 kDa	
Immunogen Catalog Number: AG20887	Observed MW: 61-70 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, WB	WB : mouse kidney tissue, rat kidney tissue
Species Specificity: human, mouse, rat	IHC : human kidney tissue, mouse brain tissue
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

Background Information

GPR108 is a seven-transmembrane family protein that falls in the GPCRs superfamily (PMID:30332431). GPR108 was identified as a highly conserved AAV entry factor implicated in cellular immune responses to AAV (PMID:31784416). Of note is its role in activating nuclear factor kappa-B (NF-κB) signaling, which implied the potential involvement of GPR108 in inflammation-related diseases as well as cancers through dysregulating NF-κB activity (PMID:35659621).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaohui Zhao	37248411	Nat Chem Biol	WB
Timothy J Smith	37097176	J Virol	WB,IF

Storage

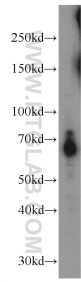
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

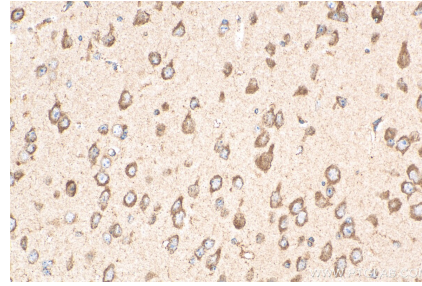
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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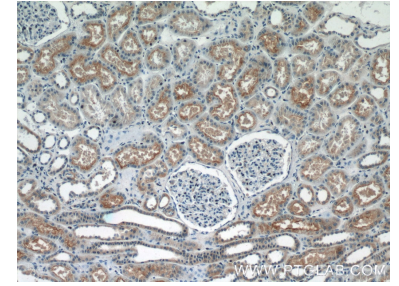
Selected Validation Data



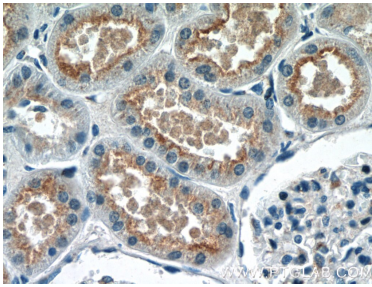
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 24009-1-AP (GPR108 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 24009-1-AP (GPR108 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 24009-1-AP (GPR108 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 24009-1-AP (GPR108 Antibody) at dilution of 1:50 (under 40x lens).