

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: 650 µg/ml | GeneID (NCBI): 56927 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 |
| Source: Rabbit | UNIPROT ID: Q9NPR9 | |
| Isotype: IgG | Full Name: G protein-coupled receptor 108 | |
| Immunogen Catalog Number: AG20887 | Calculated MW: 61 kDa | |
| | Observed MW: 61-70 kDa | |

Applications

| | |
|--|---|
| Tested Applications: IHC, WB, ELISA | Positive Controls: WB : mouse kidney tissue, rat kidney tissue IHC : human kidney tissue, mouse brain tissue |
| Cited Applications: WB, IF | |
| Species Specificity: human, mouse, rat | |
| 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- κ B) signaling, which implied the potential involvement of GPR108 in inflammation-related diseases as well as cancers through dysregulating NF- κ B 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

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

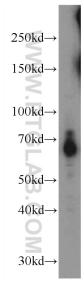
T: 4006900926

E: Proteintech-CN@ptglab.com

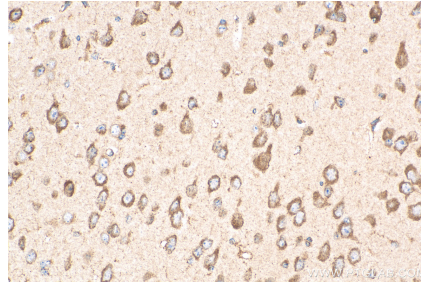
W: ptgcn.com

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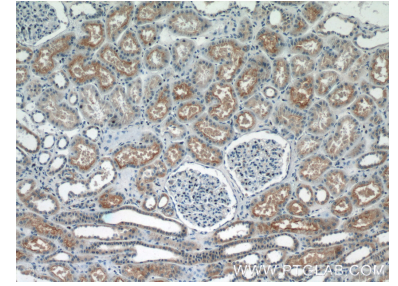
Selected Validation Data



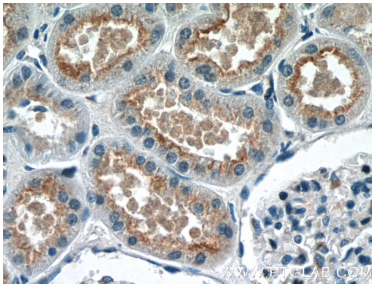
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 24009-1-AP (GPR108 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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).