

For Research Use Only

GPR126 Polyclonal antibody

Catalog Number: 17774-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

17774-1-AP

Concentration:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12195

GenBank Accession Number:

BC075798

GeneID (NCBI):

57211

UNIPROT ID:

Q86SQ4

Full Name:

G protein-coupled receptor 126

Calculated MW:

1222 aa, 137 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC: 1:50-1:500

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB, IHC

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:

IHC: mouse kidney tissue, mouse lung tissue

Background Information

GPR126 (G protein-coupled receptor 126) is a member of the adhesion GPCR family. GPR126 is all widely expressed on stromal cells (PMID: 25713288). It is essential for normal differentiation of promyelinating Schwann cells and for normal myelination of axons (PMID: 24227709). GPR126 regulates neural, cardiac and ear development by G-protein- and/or N-terminus-dependent signaling (PMID: 24082093, PMID: 24067352). GPR126 also stimulates VEGF signaling and angiogenesis by modulating VEGF receptor 2 expression through STAT5 and GATA2 in endothelial cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Wentao An	35394864	Proc Natl Acad Sci U S A	WB, IHC
Zhao Yang	39966628	Cell Res	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

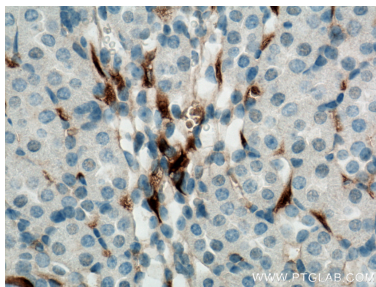
T: 4006900926

E: Proteintech-CN@ptglab.com

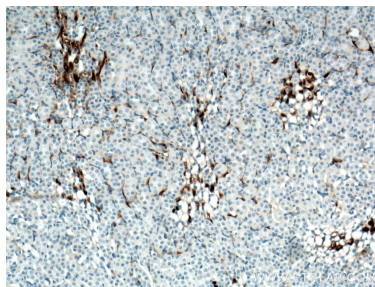
W: ptgcn.com

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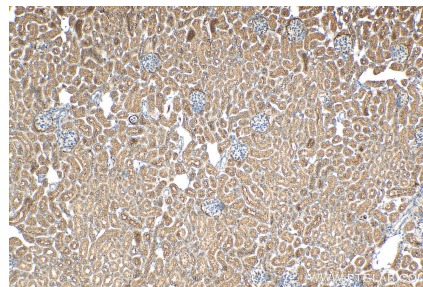
Selected Validation Data



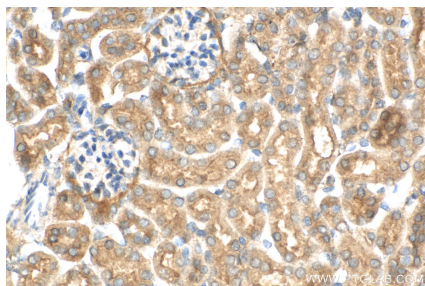
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 17774-1-AP (GPR126 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 17774-1-AP (GPR126 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 17774-1-AP (GPR126 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 17774-1-AP (GPR126 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).