

# GPR126 Recombinant antibody

Catalog Number: 81632-1-RR

## Basic Information

Catalog Number:	81632-1-RR	GenBank Accession Number:	BC075798	Purification Method:	Protein A purification
Size:	800 µg/ml	GeneID (NCBI):	57211	CloneNo.:	6M2
Source:	Rabbit	UNIPROT ID:	Q86SQ4	Recommended Dilutions:	IHC 1:50-1:500
Isotype:	IgG	Full Name:	G protein-coupled receptor 126		
Immunogen Catalog Number:	AG12195	Calculated MW:	1222 aa, 137 kDa		

## Applications

Tested Applications:	IHC, ELISA	Positive Controls:	IHC : mouse kidney tissue,
Species Specificity:	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**

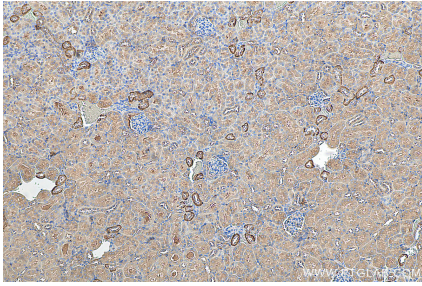
## Background Information

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.

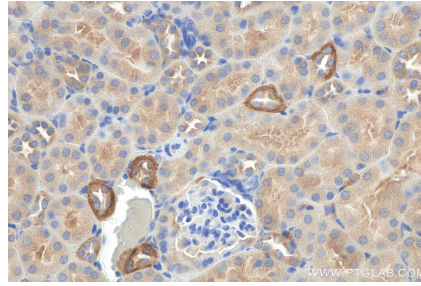
## Storage

**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

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 81632-1-RR (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 81632-1-RR (GPR126 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).