

For Research Use Only

# GPR4 Polyclonal antibody, PBS Only

Catalog Number: 28232-1-PBS



## Basic Information

Catalog Number:

28232-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28273

GenBank Accession Number:

BC067535

GeneID (NCBI):

2828

UNIPROT ID:

P46093

Full Name:

G protein-coupled receptor 4

Calculated MW:

362 aa, 41 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

IHC, Indirect ELISA

Species Specificity:

human, mouse

## Background Information

GPR4 (G-protein-coupled receptor 4) is a proton-sensing G-protein-coupled receptor (GPCR) that contributes to neovascularization in acidic microenvironments (PMID: 33632325). GPR4 is highly expressed in vascular endothelial cells (ECs) and blood vessel-rich tissues such as the lung, kidney, heart, and liver. Moreover, GPR4 has been shown to mediate EC inflammatory responses to acidosis and is central for leukocyte-endothelium interaction (PMID: 27940273).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

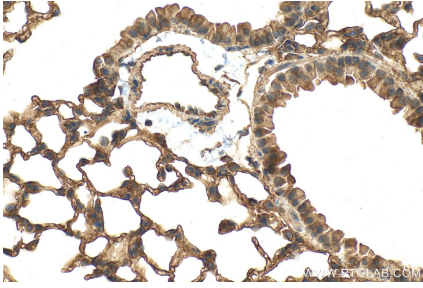
For technical support and original validation data for this product please contact:

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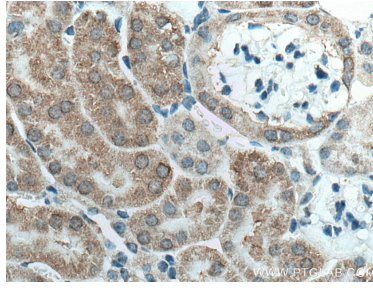
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 28232-1-AP (GPR4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 28232-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 28232-1-AP (GPR4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 28232-1-PBS in a different storage buffer formulation.