

# GPR4 Polyclonal antibody

Catalog Number: 28232-1-AP

## Basic Information

<b>Catalog Number:</b> 28232-1-AP	<b>GenBank Accession Number:</b> BC067535	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 550 µg/ml	<b>GeneID (NCBI):</b> 2828	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P46093	
<b>Isotype:</b> IgG	<b>Full Name:</b> G protein-coupled receptor 4	
<b>Immunogen Catalog Number:</b> AG28273	<b>Calculated MW:</b> 362 aa, 41 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : mouse lung tissue, mouse kidney tissue
<b>Species Specificity:</b> Human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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 -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:

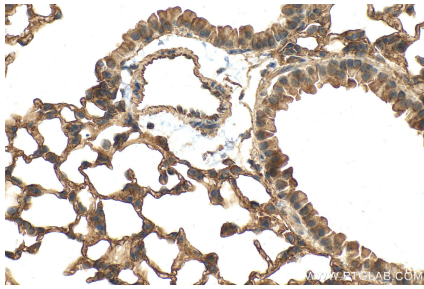
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

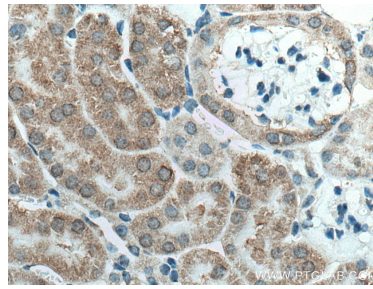
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## Selected Validation Data



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).



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).