

For Research Use Only

GPR4 Polyclonal antibody

Catalog Number: 28232-1-AP



Basic Information

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

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse lung tissue, 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

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:

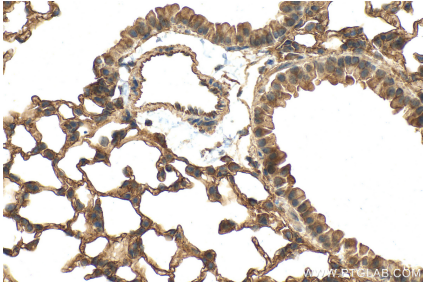
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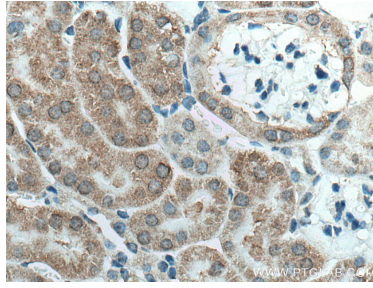
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Selected Validation Data



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).