

For Research Use Only

GPR4 Polyclonal antibody

Catalog Number: 28232-1-AP



Basic Information

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|---|---|--|
| Catalog Number: 28232-1-AP | GenBank Accession Number: BC067535 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 550 ug/ml by Nanodrop; | 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

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| 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

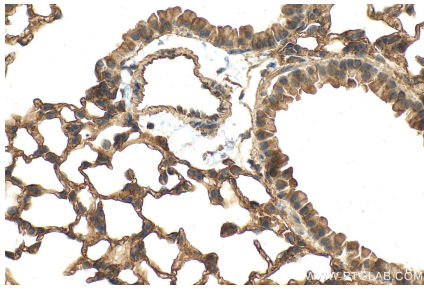
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

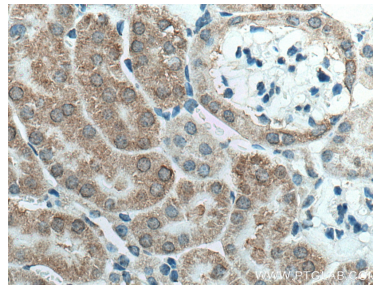
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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).