

For Research Use Only

GPR124 Polyclonal antibody

Catalog Number: 20050-1-AP



Basic Information

Catalog Number:

20050-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_032777

GeneID (NCBI):

25960

UNIPROT ID:

Q96PE1

Full Name:

G protein-coupled receptor 124

Calculated MW:

143 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

Applications

Tested Applications:

IHC, ELISA

Species Specificity:

human, mouse

Positive Controls:

IHC : mouse small intestine tissue, mouse lung tissue

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

GPR124, also named KIAA1531 and TEM5, belongs to the G-protein coupled receptor 2 family and LN-TM7 subfamily. GPR124 is an Orphan receptor. GPR124 is a Tumor endothelial marker (TEM) that is significantly up-regulated during angiogenesis and neoangiogenesis that are crucial for the growth of solid tumors localized on the cell surface and conserved across species are of particular interest for future development of anti-angiogenic therapies. GPR124 is a member of the adhesion family of G protein-coupled receptors and is localized on the surface of endothelial cells. GPR124 is a seven-pass transmembrane receptor, unlike TEM1, TEM7, and TEM8 which span the membrane once. Proteolytically processed soluble GPR124 mediates endothelial cell survival during angiogenesis by linking integrin to glycosaminoglycans. The antibody recognizes near the C-term of GPR124. The antibody can't recognize the isoform3 of GPR124.

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

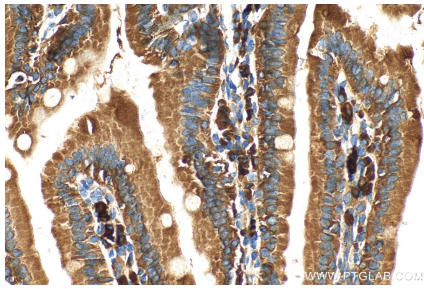
For technical support and original validation data for this product please contact:

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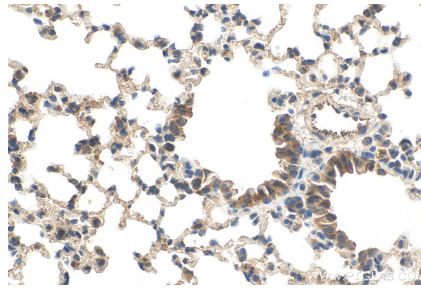
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 20050-1-AP (GPR124 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 lung tissue slide using 20050-1-AP (GPR124 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).