

GPR124 Antibody (C-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21894b

Specification

GPR124 Antibody (C-Term) - Product Information

Application	WB,E
Primary Accession	O96PE1
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	142647

GPR124 Antibody (C-Term) - Additional Information

Gene ID 25960

Other Names

G-protein coupled receptor 124, Tumor endothelial marker 5, GPR124, KIAA1531, TEM5

Target/Specificity

This GPR124 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1259-1293 amino acids from human GPR124.

Dilution

WB~~1:2000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GPR124 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR124 Antibody (C-Term) - Protein Information

Name ADGRA2 ([HGNC:17849](#))

Function Endothelial receptor which functions together with RECK to enable brain endothelial cells to selectively respond to Wnt7 signals (WNT7A or WNT7B) (PubMed:[28289266](#), PubMed:[30026314](#)). Plays a key role in Wnt7-specific responses, such as endothelial cell sprouting and migration in the forebrain and neural tube, and establishment of the blood-brain barrier (By

similarity). Acts as a Wnt7-specific coactivator of canonical Wnt signaling: required to deliver RECK-bound Wnt7 to frizzled by assembling a higher-order RECK-ADGRA2-Fzd-LRP5-LRP6 complex (PubMed:[30026314](#)). ADGRA2-tethering function does not rely on its G-protein coupled receptor (GPCR) structure but instead on its combined capacity to interact with RECK extracellularly and recruit the Dishevelled scaffolding protein intracellularly (PubMed:[30026314](#)). Binds to the glycosaminoglycans heparin, heparin sulfate, chondroitin sulfate and dermatan sulfate (PubMed:[16982628](#)).

Cellular Location

Cell membrane; Multi-pass membrane protein. Cell projection, filopodium. Note=Enriched at lateral cell borders and also at sites of cell-ECM (extracellular matrix) contact

Tissue Location

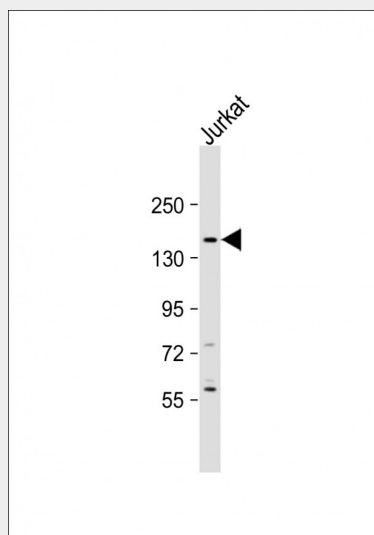
Expressed in endothelial cells (at protein level) (PubMed:[15021905](#), PubMed:[16982628](#)). Abundantly expressed in heart, placenta, ovary, small intestine, and colon (PubMed:[15021905](#))

GPR124 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPR124 Antibody (C-Term) - Images



Anti-GPR124 Antibody (C-Term) at 1:2000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 143 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

GPR124 Antibody (C-Term) - Background

Endothelial receptor that acts as an essential regulator of CNS angiogenesis. Required for normal endothelial cell sprouting and migration in the forebrain and neural tube (By similarity).

GPR124 Antibody (C-Term) - References

Carson-Walter E.B.,et al.Cancer Res. 61:6649-6655(2001).

Nagase T.,et al.DNA Res. 7:143-150(2000).

Nakajima D.,et al.DNA Res. 9:99-106(2002).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Nusbaum C.,et al.Nature 439:331-335(2006).