

GPR75 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50854

Specification

GPR75 Antibody - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB
095800
Human, Mouse
Rabbit
Polyclonal
59[Glycosylation] KDa
397-426

GPR75 Antibody - Additional Information

Gene ID 10936

Antigen Region

Other Names

Probable G-protein coupled receptor 75, GPR75

Dilution

WB~~ 1:1000

Format

Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

GPR75 Antibody - Protein Information

Name GPR75

Function

G protein-coupled receptor that is activated by the chemokine CCL5/RANTES. Probably coupled to heterotrimeric Gq proteins, it stimulates inositol trisphosphate production and calcium mobilization upon activation. Together with CCL5/RANTES, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. CCL5/RANTES may also regulate insulin secretion by pancreatic islet cells through activation of this receptor.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Expressed at high levels in brain and spinal cord and at detectable levels in retinal pigment



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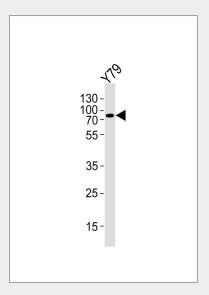
epithelium. In situ hybridization of adult eye sections localized transcripts only to the perivascular cells, surrounding retinal arterioles, in the ganglion cell/nerve fiber layer. Also expressed by islet cells (at protein level).

GPR75 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

GPR75 Antibody - Images



Western blot analysis of lysate from Y79 cell line, using GPR75 Antibody, was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.

GPR75 Antibody - Background

Orphan receptor.

GPR75 Antibody - References

Tarttelin E.E., et al. Biochem. Biophys. Res. Commun. 260:174-180(1999). Ota T., et al. Nat. Genet. 36:40-45(2004). Hillier L.W., et al. Nature 434:724-731(2005). Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.