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GPR75 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50854

Product Information

Application	WB
Primary Accession	O95800
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	59359

Additional Information

Gene ID	10936
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℃

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 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).

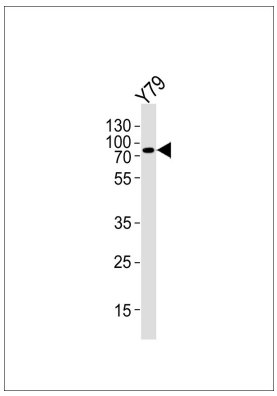
Background

Orphan receptor.

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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.