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GPR75 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP17211b

Specification

GPR75 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O95800

GPR75 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 10936

Other Names
Probable G-protein coupled receptor 75, GPR75

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GPR75 Antibody (C-term) Blocking Peptide - 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).

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GPR75 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

GPR75 Antibody (C-term) Blocking Peptide - Images

GPR75 Antibody (C-term) Blocking Peptide - Background

GPR75 is a member of the G protein-coupled receptorfamily. GPRs are cell surface receptors that activateguanine-nucleotide binding proteins upon the binding of aligand.

GPR75 Antibody (C-term) Blocking Peptide - References

Tarttelin, E.E., et al. Biochem. Biophys. Res. Commun. 260(1):174-180(1999)