

GPR75 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17211b**Specification**

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

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 receptor family. GPRs are cell surface receptors that activate guanine-nucleotide binding proteins upon the binding of an ligand.

GPR75 Antibody (C-term) Blocking Peptide - References

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