

GPR88 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17976b**Specification**

GPR88 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9GZNO](#)**GPR88 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 54112

Other Names

Probable G-protein coupled receptor 88, Striatum-specific G-protein coupled receptor, GPR88, STRG

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.

GPR88 Antibody (C-term) Blocking Peptide - Protein Information

Name GPR88

Synonyms STRG

Function

Orphan G protein-coupled receptor implicated in a large repertoire of behavioral responses that engage motor activities, spatial learning, and emotional processing (By similarity). May play a role in the regulation of cognitive and motor function (By similarity). Couples with the heterotrimeric G protein complex of the G(i) subfamily, consisting of GNAI1, GNB1 and GNG2, thereby acting through a G(i)-mediated pathway (PubMed:35501348). Plays a role in the attenuation of D1 dopamine receptor (D1R)-mediated cAMP response in ciliated cells (PubMed:23936473). In non-ciliated cells, involved in the inhibition of the beta-2 adrenergic receptor (B2AR) response (PubMed:23936473).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q9ESP4}; Multi-pass membrane protein. Cell projection, cilium membrane; Multi-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:Q9ESP4}. Nucleus {ECO:0000250|UniProtKB:Q9ESP4}. Note=Localized to cilia in ciliated cells; whereas in

non-ciliated cells, distributed throughout the cell membrane (PubMed:23936473). During cortical lamination, subcellular location shifts, on the day of birth, from expression at the plasma membrane and in the cytoplasm to the nuclei of neurons. This intranuclear localization remains throughout adulthood {ECO:0000250|UniProtKB:Q9ESP4, ECO:0000269|PubMed:23936473}

Tissue Location

Expressed predominantly in the striatum.

GPR88 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GPR88 Antibody (C-term) Blocking Peptide - Images**GPR88 Antibody (C-term) Blocking Peptide - Background**

GPR88 is an orphan receptor.

GPR88 Antibody (C-term) Blocking Peptide - References

Mizushima, K., et al. Genomics 69(3):314-321(2000)