

GPR171 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17026b**Specification**

GPR171 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O14626](#)**GPR171 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 29909**Other Names**

Probable G-protein coupled receptor 171, G-protein coupled receptor H963, GPR171, H963

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.

GPR171 Antibody (C-term) Blocking Peptide - Protein Information**Name** GPR171 ([HGNC:30057](#))**Synonyms** H963**Function**

G-protein coupled receptor for Big LEN, a 16-amino acid neuropeptide produced from the precursor protein, proSAAS (encoded by PCSK1N). Acts through a G(i)-alpha-mediated pathway in response to Big LEN. Big LEN-GPR171 system plays an important role in regulating feeding and metabolism. Also plays a role in modulating fear and anxiety-like behaviors in the basolateral amygdala. Big LEN-GPR171 modulates the mu-type opioid receptor signaling and antinociception (By similarity). Acts as a negative regulator T cell function (PubMed:34615877).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q8BG55}; Multi-pass membrane protein.

Note=Colocalized with GPR83 in the paraventricular nucleus. {ECO:0000250|UniProtKB:Q8BG55}

Tissue Location

Expressed in both T-cell subsets and natural killer cells, while it is undetectable in B cells or CD14(+) monocytes Expressed in peripheral blood mononuclear cells (PBMC) and Jurkat cells (at protein level).

GPR171 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GPR171 Antibody (C-term) Blocking Peptide - Images**GPR171 Antibody (C-term) Blocking Peptide - Background**

GPR171 is orphan receptor.

GPR171 Antibody (C-term) Blocking Peptide - References

Joensuu, T., et al. Am. J. Hum. Genet. 69(4):673-684(2001) Jacobs, K.A., et al. Gene 198 (1-2), 289-296 (1997) :Adams, M.D., et al. Nature 377 (6547 SUPPL), 3-174 (1995) :