

QRFPR Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18107c

Specification

QRFPR Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q96P65](#)

QRFPR Antibody (Center) Blocking Peptide - Additional Information

Gene ID 84109

Other Names

Pyroglutamylated RFamide peptide receptor, AQ27, G-protein coupled receptor 103, Orexigenic neuropeptide QRFPR receptor, SP9155, QRFPR, GPR103

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.

QRFPR Antibody (Center) Blocking Peptide - Protein Information

Name QRFPR

Synonyms GPR103

Function

Receptor for the orexigenic neuropeptide QRFPR. The activity of this receptor is mediated by G proteins that modulate adenylate cyclase activity and intracellular calcium levels.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Expressed widely in the brain with high levels in the hypothalamus, trigeminal ganglia and vestibular neurons, and moderate levels in the amygdala, cortex, pituitary, hippocampus, thalamus, caudate nucleus and medulla oblongata. In peripheral tissues, expressed at high levels in the retina and at moderate levels in the heart, kidney, testis and thyroid.

QRFPR Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

QRFPR Antibody (Center) Blocking Peptide - Images

QRFPR Antibody (Center) Blocking Peptide - Background

G protein-coupled receptors (GPCRs, or GPRs) contain 7transmembrane domains and transduce extracellular signals throughheterotrimeric G proteins.

QRFPR Antibody (Center) Blocking Peptide - References

Mulumba, M., et al. Mol. Endocrinol. 24(8):1615-1625(2010)Dowal, L., et al. J. Biol. Chem. 281(33):23999-24014(2006)Takayasu, S., et al. Proc. Natl. Acad. Sci. U.S.A. 103(19):7438-7443(2006)Fukusumi, S., et al. J. Biol. Chem. 278(47):46387-46395(2003)jiang, Y., et al. J. Biol. Chem. 278(30):27652-27657(2003)