

QRFPR Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18107c**Specification**

QRFPR Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q96P65
Other Accession	P83858 , P83861 , NP_937822.2
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	172-198

QRFPR Antibody (Center) - Additional Information**Gene ID** 84109**Other Names**

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

Target/Specificity

This QRFPR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 172-198 amino acids from the Central region of human QRFPR.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

QRFPR Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

QRFPR Antibody (Center) - Protein Information**Name** QRFPR

Synonyms GPR103

Function Receptor for the orexigenic neuropeptide QRFP. 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

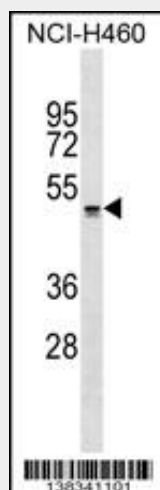
Expressed widely in the brain with high levels in the hypothalamus, trigeminal ganglia and vestibular neurons, and moderate levels in the amygdala, cortex, pituitary, hippocampus, thalamus, caudate nucleus and medulla oblongata. In peripheral tissues, expressed at high levels in the retina and at moderate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

QRFPR Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

QRFPR Antibody (Center) - Images



QRFPR Antibody (Center) (Cat. #AP18107c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the QRFPR antibody detected the QRFPR protein (arrow).

QRFPR Antibody (Center) - Background

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

QRFPR Antibody (Center) - 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)