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QRFPR Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18107c

Product Information

Application	WB, E
Primary Accession	Q96P65
Other Accession	P83858, P83861, NP_937822.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38341
Calculated MW	49488
Antigen Region	172-198

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.

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.

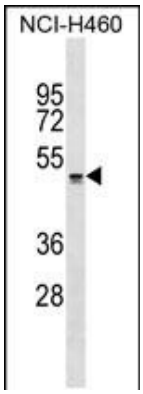
Background

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

References

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Takayasu, S., et al. Proc. Natl. Acad. Sci. U.S.A. 103(19):7438-7443(2006)
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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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.