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CRFR1 Antibody (Q103) Blocking peptide

Synthetic peptide
Catalog # BP11441a

Specification

CRFR1 Antibody (Q103) Blocking peptide - Product Information

Primary Accession P34998

CRFR1 Antibody (Q103) Blocking peptide - Additional Information

Gene ID 104909134;1394

Other Names
Corticotropin-releasing factor receptor 1, CRF-R-1, CRF-R1, CRFR-1, Corticotropin-releasing hormone receptor 1, CRH-R-1, CRH-R1, CRHR1, CRFR, CRFR1, CRHR

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.

CRFR1 Antibody (Q103) Blocking peptide - Protein Information

Name CRHR1

Synonyms CRFR, CRFR1, CRHR

Function
G-protein coupled receptor for CRH (corticotropin-releasing factor) and UCN (urocortin). Has high affinity for CRH and UCN. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and down-stream effectors, such as adenylate cyclase. Promotes the activation of adenylate cyclase, leading to increased intracellular cAMP levels. Inhibits the activity of the calcium channel CACNA1H. Required for normal embryonic development of the adrenal gland and for normal hormonal responses to stress. Plays a role in the response to anxiogenic stimuli.

Cellular Location
Cell membrane; Multi-pass membrane protein. Endosome. Note=Agonist-binding promotes endocytosis

Tissue Location
Predominantly expressed in the cerebellum, pituitary, cerebral cortex and olfactory lobe

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CRFR1 Antibody (Q103) Blocking peptide - Protocols

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

- Blocking Peptides

CRFR1 Antibody (Q103) Blocking peptide - Images

CRFR1 Antibody (Q103) Blocking peptide - Background

This gene encodes a G-protein coupled receptor that bindsneuropeptides of the corticotropin releasing hormone family thatare major regulators of the hypothalamic-pituitary-adrenal pathway.The encoded protein is essential for the activation of signaltransduction pathways that regulate diverse physiological processesincluding stress, reproduction, immune response and obesity.Alternative splicing results in multiple transcript variants.

CRFR1 Antibody (Q103) Blocking peptide - References

Karteris, E., et al. Endocrinology 151(10):4959-4968(2010)Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010)Hillhouse, E.W., et al. Endocr. Rev. 27(3):260-286(2006)