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CRFR2D Antibody Blocking peptide
Synthetic peptide
Catalog # BP11312a

Specification

CRFR2D Antibody Blocking peptide - Product Information

Primary Accession Q13324

CRFR2D Antibody Blocking peptide - Additional Information

Gene ID 1395

Other Names
Corticotropin-releasing factor receptor 2, CRF-R-2, CRF-R2, CRFR-2, Corticotropin-releasing hormone receptor 2, CRH-R-2, CRH-R2, CRHR2, CRF2R, CRH2R

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.

CRFR2D Antibody Blocking peptide - Protein Information

Name CRHR2

Synonyms CRF2R, CRH2R

Function
G-protein coupled receptor for CRH (corticotropin-releasing factor), UCN (urocortin), UCN2 and UCN3. Has high affinity for 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.

Cellular Location
Cell membrane; Multi-pass membrane protein

CRFR2D Antibody Blocking peptide - Protocols

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

- Blocking Peptides

CRFR2D Antibody Blocking peptide - Images

CRFR2D Antibody Blocking peptide - Background

Liaw et al. (1996) [PubMed 8536644] stated that there are2 G protein-coupled corticotropin-releasing hormone (CRH; MIM122560) receptors, CRHR1 (MIM 122561) and CRHR2, which they termedthe CRF2 receptor. CRH is a 41-amino acid peptide synthesized inthe hypothalamus that is the principal neuroregulator of thehypothalamic-pituitary-adrenocortical axis and plays an importantrole in coordinating the endocrine, autonomic, and behavioralresponses to stress and immune challenge.

CRFR2D Antibody Blocking peptide - References

Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :Gutknecht, E., et al. Eur. J. Pharmacol. 642 (1-3), 1-9 (2010) :Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010)Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :Joubert, B.R., et al. Genome Med 2 (3), 17 (2010) :