CRF-RII Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	CRF-RII, Polyclonal Antibody
Full Product Name	CRF-RII Polyclonal Antibody
Product Gene Name	anti-CRF-RII antibody
Clonality	Polyclonal
Molecular Weight	47,560 Da
OMIM	602034
3D Structure	ModBase 3D Structure for Q13324
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-CRF-RII antibody	MBS8522091 is an antibody targeting CRF-RII. Also known as CRF-RII Polyclonal Antibody.
Other Notes	Small volumes of anti-CRF-RII antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRF-RII. It may not necessarily be applicable to this product.

NCBI GI #	321117173
NCBI GeneID	1395
NCBI Accession #	NP_001189404.1
UniProt Primary Accession #	Q13324
UniProt Secondary Accession #	O43461; Q4QRJ4; Q99431; B2R967; B3SXS6; B3SXS7; B3SXS8; B3SXT0; F8WA81
UniProt Related Accession #	Q13324
GenBank Nucleotide #	NM_001202475.1
NCBI Official Full Name	corticotropin-releasing factor receptor 2 isoform 2
NCBI Official Synonym Full Names	corticotropin releasing hormone receptor 2
NCBI Official Symbol	CRHR2
NCBI Official Synonym Symbols	CRF2; CRFR2; CRF-RB; HM-CRF
UniProt Protein Name	Corticotropin-releasing factor receptor 2
UniProt Synonym Protein Names	Corticotropin-releasing hormone receptor 2; CRH-R-2; CRH-R2
UniProt Gene Name	CRHR2
UniProt Synonym Gene Names	CRF2R; CRH2R; CRF-R-2; CRF-R2; CRFR-2; CRH-R-2; CRH-R2
NCBI Protein Information	corticotropin-releasing factor receptor 2

NCBI Summary for CRF-RII	The protein encoded by this gene belongs to the G-protein coupled receptor 2 family, and the subfamily of corticotropin releasing hormone receptor. This receptor shows high affinity for corticotropin releasing hormone (CRH), and also binds CRH-related peptides such as urocortin. CRH is synthesized in the hypothalamus, and plays an important role in coordinating the endocrine, autonomic, and behavioral responses to stress and immune challenge. Studies in mice suggest that this receptor maybe involved in mediating cardiovascular homeostasis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jan 2011]
UniProt Comments for CRF-RII	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.
Research Articles on CRF-RII	**1.** CRF2 signaling induces alterations in both the epithelium permeability and the differentiation of human colonic carcinoma cell lines.
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