CRHR2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CRHR2, Polyclonal Antibody
Full Product Name	CRHR2, ID (Corticotropin-releasing Factor Receptor 2, CRF-R 2, CRF2, Corticotropin-releasing Hormone Receptor 2, CRH-R 2, CRH2R, CRF2R) (MaxLight 490)
Product Gene Name	anti-CRHR2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human CRHR2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	47.688
OMIM	602034
3D Structure	ModBase 3D Structure for Q13324
Immunogen	Synthetic peptide selected from the center region of human CRHR2 (KLH).
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-CRHR2 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-CRHR2 antibody	Western Blot (WB), FLISA
Application Notes for anti-CRHR2 antibody	WB: 1:50-1:100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CRHR2 antibody	MBS6470316 is an antibody targeting CRHR2. Also known as CRHR2, ID (Corticotropin-releasing Factor Receptor 2, CRF-R 2, CRF2, Corticotropin-releasing Hormone Receptor 2, CRH-R 2, CRH2R, CRF2R) (MaxLight 490). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-CRHR2 antibody	1. Yerges, L.M., et.al., J. Bone Miner. Res. (2009).
Other Notes	Small volumes of anti-CRHR2 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 CRHR2. It may not necessarily be applicable to this product.

NCBI GI #	32307159
NCBI GeneID	1395
NCBI Accession #	NP_001874
UniProt Primary Accession #	Q13324
UniProt Related Accession #	Q13324
GenBank Nucleotide #	NP_001874.2
NCBI Official Full Name	corticotropin-releasing factor receptor 2 isoform 1
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
Protein Family	Corticotropin-releasing factor receptor
UniProt Gene Name	CRHR2
UniProt Synonym Gene Names	CRF2R; CRH2R; CRF-R-2; CRF-R2; CRFR-2; CRH-R-2; CRH-R2
UniProt Entry Name	CRFR2_HUMAN
NCBI Protein Information	corticotropin-releasing factor receptor 2
NCBI Summary for CRHR2	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 CRHR2	CRHR2: This is a receptor for corticotropin releasing factor. Shows high-affinity CRF binding. Also binds to urocortin I, II and III. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. Belongs to the G-protein coupled receptor 2 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Membrane protein, integral; Receptor, GPCR; GPCR, family 2 Chromosomal Location of Human Ortholog: 7p14.3 Cellular Component: Golgi apparatus; cell surface; integral to plasma membrane; endoplasmic reticulum; plasma membrane Molecular Function: protein binding; hormone activity; corticotrophin-releasing factor receptor activity Biological Process: G-protein signaling, coupled to cAMP nucleotide second messenger; negative regulation of angiogenesis
Research Articles on CRHR2	**1.** Review: role of CRHR1 and CRHR2 in basic CV physiology and in the pathophysiology of CV diseases.[review]
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