CRFR2D Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CRFR2D, Polyclonal Antibody
Full Product Name	CRFR2D (Corticotropin-releasing factor receptor 2,CRHR2,CRF2R, CRH2R) (MaxLight 650)
Product Gene Name	anti-CRFR2D antibody
Product Synonym Gene Name	CRHR2
Product Synonym Names	Corticotropin-releasing factor receptor 2,CRHR2,CRF2R; CRH2R
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 MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
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: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	47,688 Da
Chromosome Location	Chromosome: 7; NC_000007.13 (30691559..30739719, complement). Location: 7p14.3
3D Structure	ModBase 3D Structure for B3SXS6
Immunogen	CRFR2D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the human CRFR2D.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-CRFR2D antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-CRFR2D antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-CRFR2D antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-CRFR2D antibody	Liaw et al. (1996) [PubMed 8536644] stated that there are 2 G protein-coupled corticotropin-releasing hormone (CRH; MIM 122560) receptors, CRHR1 (MIM 122561) and CRHR2, which they termed the CRF2 receptor. CRH is a 41-amino acid peptide synthesized in the hypothalamus that is the principal neuroregulator of the hypothalamic-pituitary-adrenocortical axis and plays an important role in coordinating the endocrine, autonomic, and behavioral responses to stress and immune challenge.

Product References and Citations for anti-CRFR2D antibody	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).
Other Notes	Small volumes of anti-CRFR2D 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.
Searchable Terms for CRFR2D purchase	MBS6288799 is an antibody targeting CRFR2D. Also known as CRFR2D (Corticotropin-releasing factor receptor 2,CRHR2,CRF2R, CRH2R) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRFR2D. It may not necessarily be applicable to this product.

NCBI GI #	321117257
NCBI GeneID	1395
NCBI Accession #	NP_001189412.1
UniProt Primary Accession #	B3SXS6
UniProt Secondary Accession #	O43461; Q4QRJ4; Q99431
UniProt Related Accession #	Q13324
GenBank Nucleotide #	NM_001202483.1
NCBI Official Full Name	corticotropin-releasing factor receptor 2 isoform 5
NCBI Official Synonym Full Names	corticotropin releasing hormone receptor 2
NCBI Official Symbol	CRHR2
NCBI Official Synonym Symbols	CRF2; CRFR2; CRF-RB; HM-CRF
NCBI Protein Information	corticotropin-releasing factor receptor 2; CRH-R2; CRF2 receptor, beta isoform
NCBI Summary for CRFR2D	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]
Research Articles on CRFR2D	**1.** Polymorphisms within CRHR1 and CRHR2 genes interacted with both childhood sexual abuse and emotional neglect to influence Iowa Gambling Task performance.
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