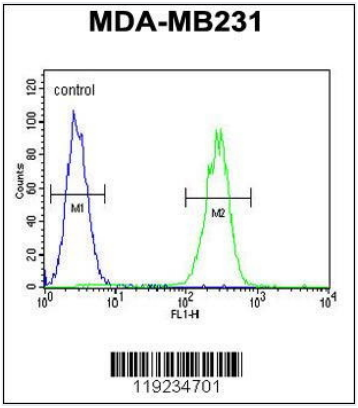
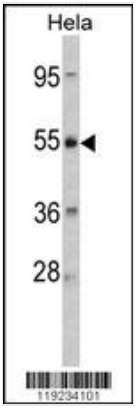
CRHR2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

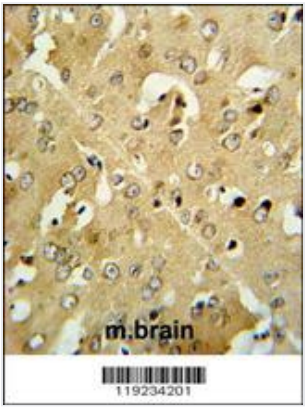
Product Name	CRHR2, Polyclonal Antibody
Full Product Name	CRHR2, ID (Corticotropin-releasing Factor Receptor 2, CRF-R 2, CRF2, Corticotropin-releasing Hormone Receptor 2, CRH-R 2, CRH2R, CRF2R) (Azide free) (HRP)
Product Gene Name	anti-CRHR2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human CRHR2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and 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	HRP
Note	Preservative Free
Product Categories/Family for anti-CRHR2 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-CRHR2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CRHR2 antibody	WB: 1:50-1:100 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CRHR2 antibody	MBS6470314 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) (Azide free) (HRP). 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.



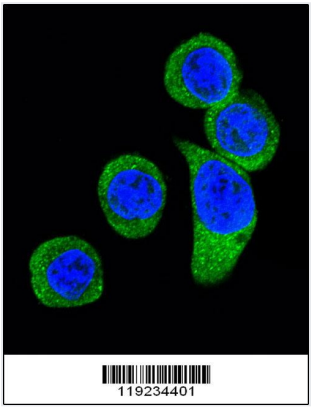
Flow Cytometry (FC/FACS) of anti-CRHR2 antibody
CRHR2 Antibody (Center) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blot (WB) of anti-CRHR2 antibody
Western blot analysis of CRHR2 Antibody (Center) in Hela cell line lysates (35ug/lane). CRHR2 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-CRHR2 antibody
CRHR2 Antibody (Center) IHC analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CRHR2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Immunofluorescence (IF) of anti-CRHR2 antibody
Confocal immunofluorescent analysis of CRHR2 Antibody (Center) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green).DAPI was used to stain the cell nuclear (blue).

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]
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/crhr2/6470314