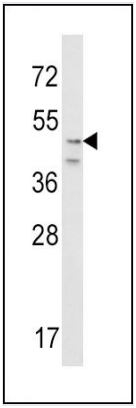
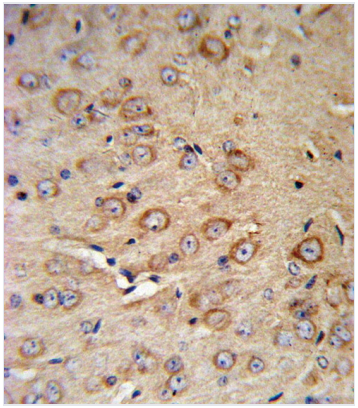
CRHR2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

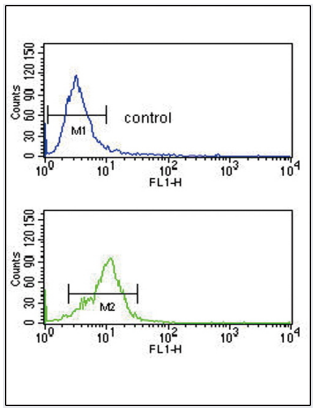
Product Name	CRHR2, Polyclonal Antibody
Full Product Name	CRHR2, NT (Corticotropin-releasing Factor Receptor 2, CRF-R 2, CRF2, Corticotropin-releasing Hormone Receptor 2, CRH-R 2, CRH2R, CRF2R)
Product Gene Name	anti-CRHR2 antibody
Product Synonym Names	Anti -CRHR2, NT (Corticotropin-releasing Factor Receptor 2, CRF-R 2, CRF2, Corticotropin-releasing Hormone Receptor 2, CRH-R 2, CRH2R, CRF2R)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, 0.27% sodium azide.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography.
Specificity	Recognizes human CRHR2. Species Crossreactivity: mouse.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	47,688 Da
Chromosome Location	Chromosome: 7; NC_000007.13 (30691559..30739719, complement). Location: 7p14.3
OMIM	602034
3D Structure	ModBase 3D Structure for Q13324
Immunogen	Synthetic peptide selected from the N-terminal region of human CRHR2 (KLH).
Product Categories/Family for anti-CRHR2 antibody	Antibodies; Abs to Receptors
Applications Tested/Suitable for anti-CRHR2 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-CRHR2 antibody	Suitable for use in ELISA and Western Blot. Dilution: ELISA: 1:1,000 Western Blot: 1:50-1:100
Related Product Information for anti-CRHR2 antibody	CRHR2 is a receptor for corticotropin releasing factor.It 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.
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.
Searchable Terms for CRHR2 purchase	MBS624558 is an antibody targeting CRHR2. Also known as CRHR2, NT (Corticotropin-releasing Factor Receptor 2, CRF-R 2, CRF2, Corticotropin-releasing Hormone Receptor 2, CRH-R 2, CRH2R, CRF2R). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-CRHR2 antibody
Western blot analysis of CRHR2 Antibody (N-term) in NIH-3T3 cell line lysates (35ug/lane). CRHR2 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-CRHR2 antibody
CRHR2 Antibody (N-term) 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 (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-CRHR2 antibody
CRHR2 Antibody (N-term) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRHR2. It may not necessarily be applicable to this product.

NCBI GI #	321117257
NCBI GeneID	1395
NCBI Accession #	NP_001189412.1
UniProt Primary Accession #	Q13324
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
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; CRH-R2; CRF2 receptor, beta isoform
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: GPCR, family 2; Membrane protein, integral; Membrane protein, multi-pass; Receptor, GPCR Chromosomal Location of Human Ortholog: 7p14.3 Cellular Component: Golgi apparatus; cell surface; endoplasmic reticulum; integral to plasma membrane; 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.** 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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