CRHR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CRHR1, Polyclonal Antibody
Full Product Name	CRHR1 Antibody
Product Gene Name	anti-CRHR1 antibody
Product Synonym Names	CRFR; CRFR1; CRHR; Corticotropin-releasing factor receptor 1; CRF-R-1; CRF-R1; CRFR-1; Corticotropin-releasing hormone receptor 1; CRH-R-1; CRH-R1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of CRHR1 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	50,719 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (43697710..43913194). Location: 17q12-q22
OMIM	122561
3D Structure	ModBase 3D Structure for P34998
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CRHR1. The exact sequence is proprietary.
Product Categories/Family for anti-CRHR1 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CRHR1 antibody	Western Blot (WB)
Application Notes for anti-CRHR1 antibody	WB: 1:500-1:1000
Related Product Information for anti-CRHR1 antibody	MBS8581785 is an antibody targeting CRHR1. Also known as CRHR1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to CRHR1
Other Notes	Small volumes of anti-CRHR1 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 CRHR1. It may not necessarily be applicable to this product.

NCBI GI #	223717971

NCBI GeneID	1394
NCBI Accession #	NP_001138618.1
UniProt Primary Accession #	P34998
UniProt Secondary Accession #	Q13008; Q4QRJ1; Q9UK64; B4DIE9
UniProt Related Accession #	P34998
GenBank Nucleotide #	NM_001145146.1
NCBI Official Full Name	corticotropin-releasing factor receptor 1 isoform 1
NCBI Official Synonym Full Names	corticotropin releasing hormone receptor 1
NCBI Official Symbol	CRHR1
NCBI Official Synonym Symbols	CRF1; CRHR; CRF-R; CRFR1; CRF-R1; CRFR-1; CRH-R1; CRHR1L; CRHR1f; CRF-R-1; CRH-R-1; CRH-R1h
UniProt Protein Name	Corticotropin-releasing factor receptor 1
UniProt Synonym Protein Names	Corticotropin-releasing hormone receptor 1
Protein Family	Corticotropin-releasing factor receptor
UniProt Gene Name	CRHR1
UniProt Synonym Gene Names	CRFR; CRFR1; CRHR; CRF-R-1; CRF-R1; CRFR-1; CRH-R-1; CRH-R1
UniProt Entry Name	CRFR1_HUMAN
NCBI Protein Information	corticotropin-releasing factor receptor 1; seven transmembrane helix receptor; corticotropin-releasing hormone receptor 1; corticotropin-releasing factor type 1 receptor; corticotropin releasing hormone receptor variant 1e; corticotropin releasing hormone
NCBI Summary for CRHR1	This gene encodes a G-protein coupled receptor that binds neuropeptides of the corticotropin releasing hormone family that are major regulators of the hypothalamic-pituitary-adrenal pathway. The encoded protein is essential for the activation of signal transduction pathways that regulate diverse physiological processes including stress, reproduction, immune response and obesity. Alternative splicing results in multiple transcript variants, one of which represents a read-through transcript with the neighboring gene MGC57346. [provided by RefSeq, Jan 2012]
UniProt Comments for CRHR1	CRF-R1: a G-protein coupled receptor that specifically binds corticotropin-releasing hormone, a potent mediator of endocrine, autonomic, behavioral, and immune responses to stress. Four splice-variant isoforms have been described. Protein type: Membrane protein, integral; GPCR, family 2; Receptor, GPCR; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 17q21.31 Cellular Component: multivesicular body; cell soma; apical part of cell; integral to plasma membrane; dendrite; integral to membrane; plasma membrane; trans-Golgi network; vesicle; intrinsic to plasma membrane Molecular Function: protein binding; corticotropin-releasing hormone binding; corticotropin-releasing hormone receptor activity; protein complex binding; G-protein alpha-subunit binding; corticotrophin-releasing factor receptor activity Biological Process: fear response; hypothalamus development; hormone-mediated signaling; adrenal gland development; adenylate cyclase activation; positive regulation of mast cell degranulation; female pregnancy; behavioral response to ethanol; memory; general adaptation syndrome, behavioral process; elevation of cytosolic calcium ion concentration; behavioral response to pain; epithelial cell differentiation; neuropeptide signaling pathway; behavioral response to cocaine; adrenocorticotropin hormone secretion; response to hypoxia; negative regulation of epinephrine secretion; visual learning; G-protein signaling, coupled to IP3 second messenger (phospholipase C activating); immune response; parturition; response to electrical stimulus
Research Articles on CRHR1	**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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