CRH Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CRH, Polyclonal Antibody
Full Product Name	CRH, CT (CRH, Corticoliberin, Corticotropin-releasing factor, Corticotropin-releasing hormone) (MaxLight 405)
Product Gene Name	anti-CRH antibody
Product Synonym Names	CRH; Corticoliberin; Corticotropin-releasing factor; Corticotropin-releasing hormone
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 MaxLight405.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	21,422 Da
Chromosome Location	Chromosome: 8; NC_000008.10 (67088612..67090846, complement). Location: 8q13
OMIM	122560
3D Structure	ModBase 3D Structure for P06850
Immunogen	CRH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 136-164 amino acids from the C-terminal region of human CRH.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-CRH antibody	Antibodies; Hormones; Steroids
Applications Tested/Suitable for anti-CRH antibody	Western Blot (WB), FLISA
Application Notes for anti-CRH antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CRH antibody	Corticotropin-releasing hormone is secreted by the paraventricular nucleus (PVN) of the hypothalamus in response to stress. Marked reduction in this protein has been observed in association with Alzheimer disease and autosomal recessive hypothalamic corticotropin deficiency has multiple and potentially fatal metabolic consequences including hypoglycemia and hepatitis. In addition to production in the hypothalamus, this protein is also synthesized in peripheral tissues, such as T lymphocytes and is highly expressed in the placenta. In the placenta it is a marker that determines the length of gestation and the timing of parturition and delivery. A rapid increase in circulating levels of the hormone occurs at the onset of parturition, suggesting that, in addition to its metabolic functions, this protein may act as a trigger for parturition.

Product References and Citations for anti-CRH antibody	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): Holliday, K.L., et al. J Psychosom Res 68(5):469-474(2010). Binder, E.B., et al. Arch. Gen. Psychiatry 67(4):369-379(2010). Kageyama, K., et al. Vitam. Horm. 82, 301-317 (2010).
Other Notes	Small volumes of anti-CRH 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 CRH purchase	MBS6288807 is an antibody targeting CRH. Also known as CRH, CT (CRH, Corticoliberin, Corticotropin-releasing factor, Corticotropin-releasing hormone) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	4503041
NCBI GeneID	1392
NCBI Accession #	NP_000747.1
UniProt Primary Accession #	P06850
UniProt Secondary Accession #	B3KQS4
UniProt Related Accession #	P06850
GenBank Nucleotide #	NM_000756.2
NCBI Official Full Name	corticoliberin preproprotein
NCBI Official Synonym Full Names	corticotropin releasing hormone
NCBI Official Symbol	CRH
NCBI Official Synonym Symbols	CRF
UniProt Protein Name	Corticoliberin
UniProt Synonym Protein Names	Corticotropin-releasing factor; CRF; Corticotropin-releasing hormone
Protein Family	Corticoliberin
UniProt Gene Name	CRH
UniProt Synonym Gene Names	CRF
UniProt Entry Name	CRF_HUMAN
NCBI Protein Information	corticoliberin; corticotropin-releasing factor

UniProt Comments for CRH	CRH: This hormone from hypothalamus regulates the release of corticotropin from pituitary gland. Belongs to the sauvagine/corticotropin-releasing factor/urotensin I family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 8q13 Cellular Component: extracellular space; cytoplasm; extracellular region; perikaryon Molecular Function: corticotropin-releasing hormone receptor 1 binding; neuropeptide hormone activity; protein binding; hormone activity; corticotropin-releasing hormone receptor 2 binding; adrenocorticotropin-releasing hormone activity; receptor binding Biological Process: diterpenoid metabolic process; negative regulation of circadian sleep/wake cycle, REM sleep; synaptic transmission, dopaminergic; hypothalamus development; positive regulation of cortisol secretion; induction of apoptosis by hormones; response to pain; female pregnancy; signal transduction; positive regulation of adrenocorticotropic hormone secretion; negative regulation of luteinizing hormone secretion; synaptic transmission; learning and/or memory; positive regulation of cAMP biosynthetic process; positive regulation of cell proliferation; feeding behavior; parturition; negative regulation of blood pressure; inflammatory response; response to electrical stimulus; associative learning; response to corticosterone stimulus; response to drug; adrenal gland development; response to ether; response to ethanol; long-term memory; ion homeostasis; response to estrogen stimulus; regulation of serotonin secretion; negative regulation of epinephrine secretion; positive regulation of protein amino acid phosphorylation; glucocorticoid biosynthetic process; lung development Disease: Acth Deficiency, Isolated
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