CRH Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CRH, Polyclonal Antibody
Full Product Name	CRH Conjugated Antibody
Product Gene Name	anti-CRH antibody
Product Synonym Names	CRF
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total CRH protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	Predicted: 22 kDa Observed: 29 kDa
OMIM	122560
3D Structure	ModBase 3D Structure for P06850
Immunogen	Synthetic peptide corresponding to residues near the C terminal of human corticotropin releasing hormone
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-CRH antibody	Most Applications
Application Notes for anti-CRH antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
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.
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	MBS9447259 is an antibody targeting CRH. Also known as CRH Conjugated Antibody. Reactive in Human, Mouse, Rat. 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
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; CRH1
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
NCBI Summary for CRH	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. [provided by RefSeq, Apr 2010]

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
Research Articles on CRH	**1.** Corticotrophin-Releasing Factor (CRF) and the urocortins are potent regulators of the inflammatory phenotype of human and mouse white adipocytes.
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