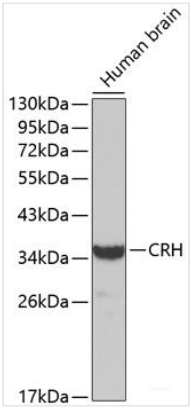
# CRH Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | CRH, Polyclonal Antibody |
| **Full Product Name** | CRH Polyclonal Antibody |
| **Product Gene Name** | anti-CRH antibody |
| **Product Synonym Names** | CRH; CRF; CRH1 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | PBS with 0.02% sodium azide, 50% glycerol, pH7.3 |
| **Purity/Purification** | Affinity purification |
| **Concentration** | 1mg/mL (lot specific) |
| **Preparation and Storage** | Store at -20 degree C. Avoid freeze/thaw cycles. |
| **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** | Recombinant fusion protein of human CRH (NP_0007471) |
| **Conjugation** | Unconjugated |
| **Product Categories/Family for anti-CRH antibody** | Cancer; Neuroscience; Signal Transduction; Polyclonal Antibody |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-CRH antibody** | Western Blot (WB) |
| **Application Notes for anti-CRH antibody** | WB: 1:500-1:2000 |
| **Related Product Information for anti-CRH antibody** | This gene encodes a member of the corticotropin-releasing factor family. The encoded preproprotein is proteolytically processed to generate the mature neuropeptide hormone. In response to stress, this hormone is secreted by the paraventricular nucleus (PVN) of the hypothalamus, binds to corticotropin releasing hormone receptors and stimulates the release of adrenocorticotropic hormone from the pituitary gland. Marked reduction in this protein has been observed in association with Alzheimer's disease. 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. |

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| **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** | MBS2564641 is an antibody targeting CRH. Also known as CRH Polyclonal Antibody. Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-CRH antibody**
Western blot analysis of extracts of Human brain using CRH Polyclonal Antibody.

## ADDITIONAL DETAILS

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

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| **NCBI GI #** | 119607303 |
| **NCBI GeneID** | 1392 |
| **NCBI Accession #** | EAW86897.1 |
| **UniProt Primary Accession #** | P06850 |
| **UniProt Secondary Accession #** | B3KQS4 |
| **UniProt Related Accession #** | P06850 |
| **NCBI Official Full Name** | corticotropin releasing hormone |
| **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 |

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| **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.<br><br>Protein type: Secreted; Secreted, signal peptide<br><br>Chromosomal Location of Human Ortholog: 8q13<br><br>Cellular Component: extracellular space; cytoplasm; extracellular region; perikaryon<br><br>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<br><br>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<br><br>Disease: Acth Deficiency, Isolated |
| **Research Articles on CRH** | **1.** the age-associated changes in the expression of CRH system components reflect an exaggerated stress response reaction, putting the aged skin continuously in a stress-like situation. |
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