10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CRH Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11244b

Specification

CRH Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P06850
Other Accession	NP_000747.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**21422**
Antigen Region	**129-156**

CRH Antibody (C-term) - Additional Information

Gene ID 1392

Other Names
Corticoliberin, Corticotropin-releasing factor, CRF, Corticotropin-releasing hormone, CRH

Target/Specificity
This CRH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 129-156 amino acids from the C-terminal region of human CRH.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CRH Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CRH Antibody (C-term) - Protein Information

Name CRH

Function Hormone regulating the release of corticotropin from pituitary gland (By similarity). Induces NLRP6 in intestinal epithelial cells, hence may influence gut microbiota profile (By

similarity).

Cellular Location
Secreted {ECO:0000250|UniProtKB:P06296}.

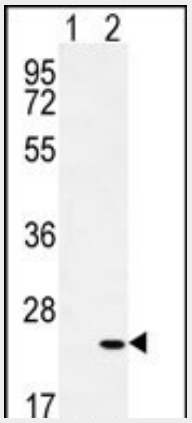
Tissue Location
Produced by the hypothalamus and placenta.

CRH Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CRH Antibody (C-term) - Images



Western blot analysis of CRH (arrow) using rabbit polyclonal CRH Antibody (C-term) (Cat. #AP11244b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CRH gene.

CRH Antibody (C-term) - Background

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.

CRH Antibody (C-term) - References

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) :