

Anti-CRH Picoband Antibody
Catalog # ABO10097**Specification**

Anti-CRH Picoband Antibody - Product Information

Application	WB, IHC
Primary Accession	P06850
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Corticoliberin(CRH) detection. Tested with WB, IHC-P in Human;Mouse.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CRH Picoband Antibody - Additional Information

Gene ID 1392

Other Names

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

Calculated MW

21422 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat

Western blot, 0.1-0.5 µg/ml, Human, Mouse

Subcellular Localization

Secreted.

Protein Name

Corticoliberin

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human CRH (162-194aa DLTFHLLREVLEMARAEQLAQQAHSNRKLMEII), identical to the related mouse and rat sequences.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-CRH Picoband Antibody - 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

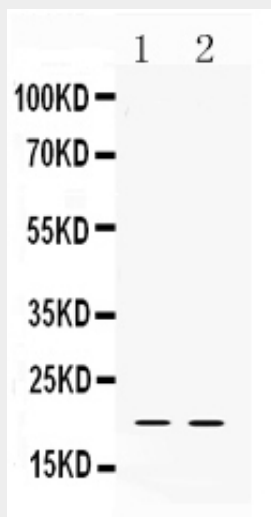
Produced by the hypothalamus and placenta.

Anti-CRH Picoband Antibody - Protocols

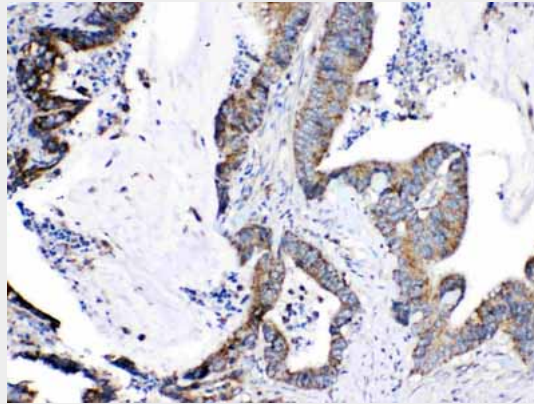
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CRH Picoband Antibody - Images



Western blot analysis of CRH expression in NIH3T3 whole cell lysates (lane 1) and MCF-7 whole cell lysates (lane 2). CRH at 21KD was detected using rabbit anti- CRH Antigen Affinity purified polyclonal antibody (Catalog # ABO10097) at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method .



CRH was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- CRH Antigen Affinity purified polyclonal antibody (Catalog # ABO10097) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .

Anti-CRH Picoband Antibody - Background

Corticotropin-releasing hormone (CRH), also known as corticotropin-releasing factor (CRF) or corticoliberin is a peptide hormone and neurotransmitter involved in the stress response. In humans, it is encoded by the CRH gene. 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 adrenocorticotrophic 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.