

Datasheet for 600-401-AN2**CRH Antibody****Overview**

Description:	Anti-CRH (RABBIT) Antibody - 600-401-AN2
Item No.:	600-401-AN2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Corticotropin-releasing hormone (CRH) is secreted by the paraventricular nucleus (PVN) of the hypothalamus in response to stress (1). 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 where 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 (2). Marked reduction in this protein has been observed in association with Alzheimer disease (3).
Synonyms:	CRH Antibody, CRF, Corticoliberin, Corticotropin-releasing factor, CRF, Corticotropin,
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CRH
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CRH antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the N-terminus of human CRH.

Purity/Specificity: Anti-CRH antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. CRH antibody is human specific.

Relevant Links:

- [UniProtKB - P06850](#)
- [GeneID - 1392](#)
- [NCBI - NP_000747](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-CRH Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 21 kDa in Western Blots of specific cell lysates and tissues.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:20,000

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1-2 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

Buffer: 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2

Preservative: 0.02% (w/v) Sodium Azide

Stabilizer: None

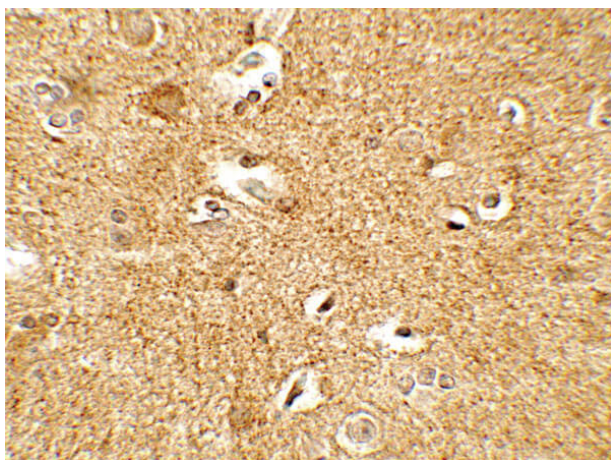
Shipping & Handling

Shipping Condition: Dry Ice

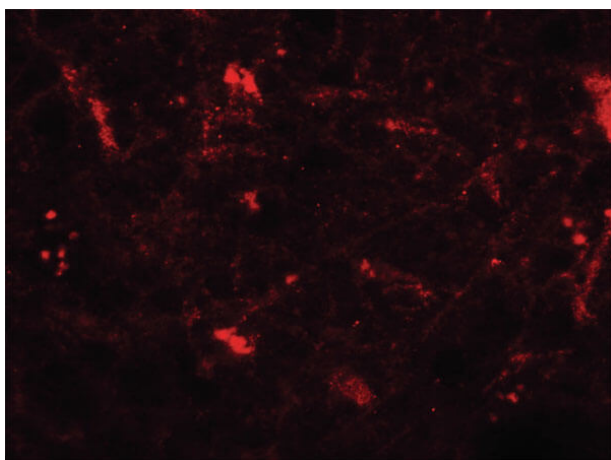
Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

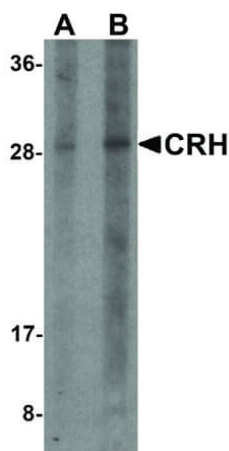
Expiration date is one (1) year from date of receipt.

Images**Immunohistochemistry**

Immunohistochemistry of Rabbit anti-CRH antibody. Tissue: human brain tissue. Primary antibody: CRH antibody at 5 $\mu\text{g}/\text{mL}$. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: CRH is secreted. Staining: CRH as precipitated brown signal.

**Immunofluorescence Microscopy**

Immunofluorescence Microscopy of Rabbit anti-CRH antibody. Tissue: human brain. Primary antibody: CRH antibody at 20 $\mu\text{g}/\text{mL}$. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: CRH is secreted. Staining: CRH as red fluorescent signal.

**Western Blot**

Western Blot of Rabbit anti-CRH antibody. Lane A: human placenta tissue lysate at 1 $\mu\text{g/mL}$. Lane B: human placenta tissue lysate at 2 $\mu\text{g/mL}$. Primary antibody: CRH antibody overnight at 4°C. Secondary antibody: Rabbit secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 22 kDa, 29 kDa for CRH.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.