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Datasheet for 600-401-AN2

# CRH Antibody

## Overview

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| **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

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| **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 parturitio (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

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| **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. |

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| **Purity/Specificity:** | Anti-CRH antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. CRH antibody is human specific. |
| **Relevant Links:** | • UniProtKB - P06850<br>• GeneID - 1392<br>• NCBI - NP_000747 |

## Application Details

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| **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

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| **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

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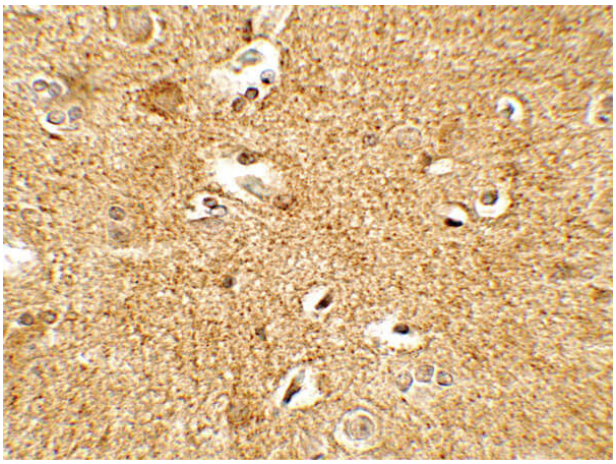
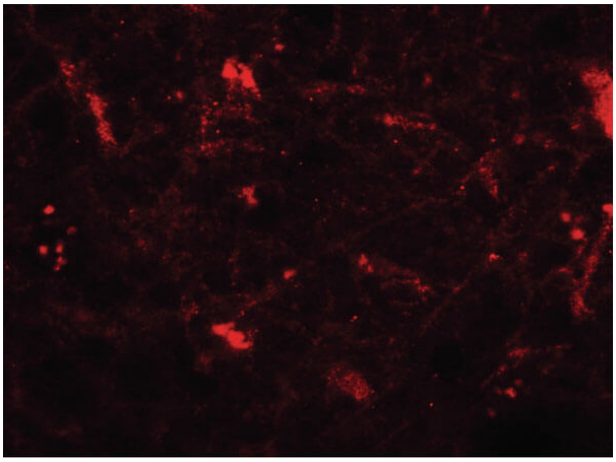
| **Shipping Condition:** | Dry Ice |
| **Storage Condition:** | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product 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.

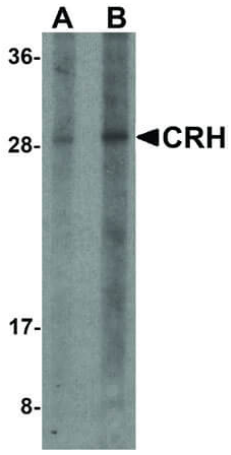
## Images



**Immunohistochemistry**
Immunohistochemistry of Rabbit anti-CRH antibody. Tissue: human brain tissue. Primary antibody: CRH antibody at 5 µg/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 µg/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 µg/mL. Lane B: human placenta tissue lysate at 2 µg/mL. Primary antibody: CRH antibody overnight at 4℃. Secondary antibody: Rabbit secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 22 kDa, 29 kDa for CRH.

## Disclaimer