

## DESCRIPTION

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|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects mouse CRHBP in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 70% cross-reactivity with recombinant human CRHBP is observed.                                                                                                    |
| <b>Source</b>             | Polyclonal Goat IgG                                                                                                                                                                                                                                                         |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant mouse CRHBP<br>Tyr25-Leu322<br>Accession # Q60571                                                                                                                                                                           |
| <b>Conjugate</b>          | Alexa Fluor 594<br>Excitation Wavelength: 590 nm<br>Emission Wavelength: 617 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| <b>Western Blot</b>         | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunohistochemistry</b> | Optimal dilution of this antibody should be experimentally determined. |

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

## BACKGROUND

Mouse CRHBP is a 37 kDa, monomeric CRH-binding glycoprotein that is secreted by cells of the rodent adrenal, medulla, cortical neurons and astrocytes, and prolactin positive cells of the pituitary. The mature molecule is 298 amino acids (aa) in length and contains six intrachain disulfide bonds. It binds CRH and CRH-like peptides, either serving as an antagonist for CRH binding to CRH receptor 1, or as a coreceptor for CRH binding to CRH receptor 2. Mature mouse CRHBP shares 94%, 87%, 85% and 80% aa sequence identity with rat, human, canine and bovine CRHBP, respectively.

## PRODUCT SPECIFIC NOTICES

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