

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human CRHBP in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse CRHBP is observed.                                                                                                                   |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>1</sub> Clone # 395108                                                                                                                                                                                                                            |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant human CRHBP<br>Tyr25-Leu322<br>Accession # P24387                                                                                                                                                                           |
| <b>Conjugate</b>          | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 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.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

## BACKGROUND

Human CRHBP is a 37 kDa secreted glycoprotein that likely serves to regulate corticotrophin releasing hormone (CRH) availability to the adrenal. In human, CRHBP complexes with CRH to form a circulating 41 kDa complex. In rodent and horse, this complex is restricted to the CNS. Human CRHBP is synthesized as a 322 amino acid (aa) precursor that contains a 24 aa signal sequence and a 298 aa mature region. The mature region contains one potential CUB domain and five intrachain disulfide bonds. Human mature CRHBP shares 87% and 84% sequence identity with mouse and equine CRHBP, respectively.

## PRODUCT SPECIFIC NOTICES

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