

**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 Tyr25-Leu322 Accession # P24387
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

**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>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	Recombinant Human CRHBP

**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**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.