

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CRHBP in Western blots. In Western blots, approximately 40% cross-reactivity with recombinant human CRHBP is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CRHBP Tyr25-Leu322 Accession # P24387.2
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human CRHBP

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Human CRHBP is a 37 kDa secreted glycoprotein that likely serves to regulate 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.