

DESCRIPTION

Species Reactivity	Mouse
Specificity	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.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CRHBP Tyr25-Leu322 Accession # Q60571
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. 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 Mouse CRHBP
Immunohistochemistry	5-15 µg/mL	Perfusion fixed frozen sections of mouse brain (cortex)

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

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.