

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CRHBP in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human CRHBP is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 356803
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CRHBP Tyr25-Leu322 Accession # Q60571
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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

Mouse CRHBP (Corticotrophin-Releasing Hormone Binding Protein) 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 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.

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