

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CRHBP in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse CRHBP is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 395108
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CRHBP Tyr25-Leu322 Accession # P24387
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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

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.

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