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CRHBP Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12892a

Product Information

Application	WB, E
Primary Accession	P24387
Other Accession	NP_001873.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19588
Calculated MW	36144
Antigen Region	7-36

Additional Information

Gene ID	1393
Other Names	Corticotropin-releasing factor-binding protein, CRF-BP, CRF-binding protein, Corticotropin-releasing hormone-binding protein, CRH-BP, CRHBP, CRFBP
Target/Specificity	This CRHBP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-36 amino acids from the N-terminal region of human CRHBP.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CRHBP Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CRHBP {ECO:0000303|PubMed:8198617, ECO:0000312|HGNC:HGNC:2356}
Function	Specifically binds and inactivates the corticotropin- releasing hormone (CRH) and urocortin-1 (UCN) hormones, thereby inhibiting the

hypothalamus-pituitary-adrenal axis and preventing corticotropin hormone (ACTH) production (PubMed:18234674, PubMed:1846945, PubMed:3494446, PubMed:7477348, PubMed:7585095). May be required to prevent inappropriate pituitary-adrenal stimulation in pregnancy (PubMed:7585095).

Cellular Location Secreted

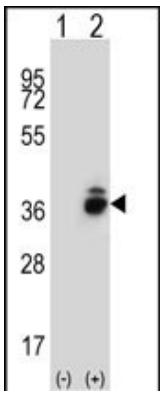
Background

Corticotropin-releasing hormone is a potent stimulator of synthesis and secretion of preopiomelanocortin-derived peptides. Although CRH concentrations in the human peripheral circulation are normally low, they increase throughout pregnancy and fall rapidly after parturition. Maternal plasma CRH probably originates from the placenta. Human plasma contains a CRH-binding protein which inactivates CRH and which may prevent inappropriate pituitary-adrenal stimulation in pregnancy.

References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Holliday, K.L., et al. J Psychosom Res 68(5):469-474(2010)
Binder, E.B., et al. Arch. Gen. Psychiatry 67(4):369-379(2010)
Bosker, F.J., et al. Mol. Psychiatry (2010) In press :
Tabakoff, B., et al. BMC Biol. 7, 70 (2009) :

Images



Western blot analysis of CRHBP (arrow) using rabbit polyclonal CRHBP Antibody (N-term) (Cat. #AP12892a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CRHBP gene.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.