



**Polyclonal Anti-Corticotropin releasing hormone, CRH (CRF) (Sephacose Bead Conjugate)**

**Catalogue No.** PA11228-S

**Lot No.** 08J01

**Ig type:** rabbit IgG

**Size:** 100µg/vial

**Specificity**

Human, mouse, rat. No cross reactivity with other proteins.

**Recommended application**

(Immunoprecipitation(IP))

**Immunogen**

A synthetic peptide mapping at the N-terminal of human CRH, identical to the related rat and mouse sequence.

**Purification**

Immunogen affinity purified.

**Formulation**

50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

**Storage**

Store at 4°C for frequent use.

**Description:**

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

**BACKGROUND**

CRH is a 41-amino acid peptide derived by enzymatic cleavage from a 191-amino acid preprohormone and is located on 8q13. It is made not only in the hypothalamus but also in peripheral tissues, such as T lymphocytes, and is expressed in very large amounts in the human placenta. As a placental clock, CRH controls the duration of pregnancy and that the timing of the rise in CRH may permit prediction of the onset of labor. Furthermore, CRH is the most proximal element of the HPA axis, and it acts as a central coordinator for neuroendocrine and behavioral responses to stress. In addition, placental secretion of CRH is a marker of the 'placental clock' that is active from an early stage in human pregnancy and determines the length of gestation and the timing of parturition and delivery.

**REFERENCE**

1. Robinson, B. G.; Emanuel, R. L.; Frim, D. M.; Majzoub, J. A. : Glucocorticoid stimulates expression of corticotropin-releasing hormone gene in human placenta. Proc. Nat. Acad. Sci. 85: 5244-5248, 1988.
2. Inder, W. J.; Prickett, T. C. R.; Ellis, M. J.; Hull, L.; Reid, R.; Benny, P. S.; Livesey, J. H.; Donald, R. A. : The utility of plasma CRH as a predictor of preterm delivery. J. Clin. Endocr. Metab. 86: 5706-5710, 2001.
3. McLean, M.; Bisits, A.; Davies, J.; Woods, R.; Lowry, P.; Smith, R. : A placental clock controlling the length of human pregnancy. Nature Med. 1: 460-463, 1995.

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**Contact:** Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: [Info@antageneinc.com](mailto:Info@antageneinc.com)