



Product Information Sheet

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

Catalogue No. PA1128-M

Lot No. 08J01

Ig type: rabbit IgG1

Size: 100µg/Vial

Specificity

Human.

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

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

BACKGROUND

CRH is a 41-amino acid peptide derived by enzymatic cleavage from a 191-amino acid prohormone 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

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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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