

Product datasheet

Anti-CRF antibody ab11133

1 Abreviews 6 References

Overview

Product name	Anti-CRF antibody
Description	Rabbit polyclonal to CRF
Host species	Rabbit
Specificity	This antibody blocks specifically with the ovine CRF sequence that it was raised against. Cells and fibres are found in the paraventricular hypothalamic nucleus of rat brain in colchicine treated 4% FA perfused tissue.
Tested applications	Suitable for: IHC-Fr
Species reactivity	Reacts with: Rat, Sheep, Human Predicted to work with: Mouse, Chicken, Cow, Dog, Pig 
Immunogen	Synthetic peptide: SQEPPISLDLTFHLLREVLEMTKADQLAQQAHNSRKLLDIA , corresponding to amino acids 148-188 of Sheep CRF. Run BLAST with Run BLAST with
General notes	This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Corticotropin-releasing hormone (CRH) is a 41-amino acid peptide derived from a 191-amino acid prohormone. CRH is secreted by the paraventricular nucleus (PVN) of the hypothalamus in response to stress. Marked reduction in CRH has been observed in association with Alzheimer disease and autosomal recessive hypothalamic corticotropin deficiency has multiple and potentially fatal metabolic consequences including hypoglycemia and hepatitis. In addition to production in the hypothalamus, CRH is also synthesized in peripheral tissues, such as T lymphocytes and is highly expressed in the placenta. In the placenta CRH is a marker that determines the length of gestation and the timing of parturition and delivery. A rapid increase in circulating levels of CRH occurs at the onset of parturition, suggesting that, in addition to its metabolic functions, CRH may act as a trigger for parturition

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS, Whole serum
Purity	Whole antiserum
Primary antibody notes	Corticotropin-releasing hormone (CRH) is a 41-amino acid peptide derived from a 191-amino acid prohormone. CRH is secreted by the paraventricular nucleus (PVN) of the hypothalamus in response to stress. Marked reduction in CRH has been observed in association with Alzheimer disease and autosomal recessive hypothalamic corticotropin deficiency has multiple and potentially fatal metabolic consequences including hypoglycemia and hepatitis. In addition to production in the hypothalamus, CRH is also synthesized in peripheral tissues, such as T lymphocytes and is highly expressed in the placenta. In the placenta CRH is a marker that determines the length of gestation and the timing of parturition and delivery. A rapid increase in circulating levels of CRH occurs at the onset of parturition, suggesting that, in addition to its metabolic functions, CRH may act as a trigger for parturition
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab11133 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		1/500 - 1/7500.

Target

Relevance CRF precursor is a 41-amino acid peptide derived from a 196-amino acid prohormone. CRF is a neuroendocrine hormone secreted by the paraventricular nucleus (PVN) of the hypothalamus and is a key player in the hypothalamic pituitary adrenal axis. It is also synthesized in peripheral tissues, such as T lymphocytes and is highly expressed in the placenta. Neuronal CRF is important in a variety of diverse roles including, memory, depression, stress, kidney function, parturition, metabolism and feeding (to mention a few).

Cellular localization Cytoplasmic and Secreted

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