



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Corticotropin-Releasing Factor (CRF)

Corticotropin-Releasing Factor (CRF, also known as Corticoliberin) is a 41 amino acid peptide hormone derived from the 196-amino acid preprohormone. It is secreted in the hypothalamus in response to stress, and stimulates both the synthesis and the secretion of adrenocorticotrophic hormone (ACTH). CRF is also synthesized in peripheral tissues and placenta and it is known to suppress appetite and increase subjective feelings of anxiety.

This antibody was generated by immunization of rabbits with Corticotropin-Releasing Factor (CRF) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4036 (Lot A16199)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human, mouse, rat
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. Reconstitute by adding 0.2ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide H-Ser-Glu-Glu-Pro-Pro-Ile-Ser-Leu-Asp-Leu-Thr-Phe-His-Leu-Leu-Arg-Glu-Val-Leu-Glu-Met-Ala-Arg-Ala-Glu-Gln-Leu-Ala-Gln-Gln-Ala-His-Ser-Asn-Arg-Lys-Leu-Met-Glu-Ile-Ile-NH ₂ coupled to carrier protein.
Protein database:	<u>human-P06850</u> , <u>mouse-Q8CIT0</u> , <u>rat-P01143</u>

Cross-Reactivity:

PEPTIDE	%
CRF (human, rat)	100
CRF (porcine)	10
CRF (ovine)	<0.5
CRF (bovine)	<0.5
Prepro CRF (125-151) (human)	0
Sauvagine	5
PACAP-38 (human, mouse, ovine, porcine, rat)	0
LH-RH	N/A
ACTH (1-39) (human)	0
ACTH (7-38) (human)	0
[Arg ⁸]-Vasopressin	N/A
BNP-45 (rat)	0

Applications:

Tested in ELISA against CRF and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Optimal dilutions should be determined by the end user

Please see www.bma.ch for protocols and general information

Related Products:

S-1169: ELISA high sensitivity for extracted samples

S-1181: ELISA extraction-free for human samples

S-1182: ELISA extraction-free for rat samples

S-1468: ELISA extraction-free for mouse samples

T-4037: Rabbit anti CRF, neat antiserum

T-5007: Guinea pig anti CRF, neat antiserum

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.