



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4036

### Rabbit anti Corticotropin-Releasing Factor (CRF) (human, mouse, rat) [UniProt: P06850, Q8CIT0, P01143]

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.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	A16199
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	400µg
<b>Format:</b>	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
<b>Stability:</b>	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
<b>Applications:</b>	This antibody has been tested and validated in ELISA against Corticotropin Releasing Factor. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	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 <sub>2</sub> coupled to carrier protein.

**Cross-Reactivity:**

<b>PEPTIDE:</b>	<b>%:</b>
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 <sup>8</sup> ]-Vasopressin	N/A
BNP-45 (rat)	0

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: anti CRF (hu, ms, rt) neat antiserum  
T-5007: guinea pig anti CRF, (hu, ms, rt) neat antiserum

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This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

T-4036

rabbit IgG – hu, ms, rt

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