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## CRF Rabbit pAb

Catalog Number: bs-0246R

Target Protein: CRF

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Mouse, Rat (predicted:Human, Rabbit, Pig, Chicken, Dog, GuineaPig)

Predicted MW: 5/22 kDa

Entrez Gene: 1392

Swiss Prot: P06850

Source: Recombinant human CRF protein: 25-196/196.

Purification: affinity purified by Protein A

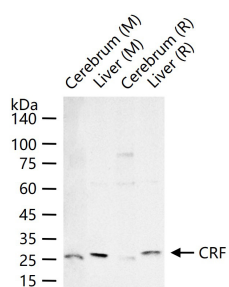
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** This gene encodes a member of the corticotropin-releasing factor family. The encoded preproprotein is proteolytically processed to generate the mature neuropeptide hormone. In response to stress, this hormone is secreted by the paraventricular nucleus (PVN) of the hypothalamus, binds to corticotropin releasing hormone receptors and stimulates the release of adrenocorticotrophic hormone from the pituitary gland. Marked reduction in this protein has been observed in association with Alzheimer's disease. Autosomal recessive hypothalamic corticotropin deficiency has multiple and potentially fatal metabolic consequences including hypoglycemia and hepatitis. In addition to production in the hypothalamus, this protein is also synthesized in peripheral tissues, such as T lymphocytes, and is highly expressed in the placenta. In the placenta it is a marker that determines the length of gestation and the timing of parturition and delivery. A rapid increase in circulating levels of the hormone occurs at the onset of parturition, suggesting that, in addition to its metabolic functions, this protein may act as a trigger for parturition. [provided by RefSeq, Nov 2015]

### VALIDATION IMAGES

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25 ug total protein per lane of various lysates (see on figure) probed with CRF polyclonal antibody, unconjugated (bs-0246R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

## PRODUCT SPECIFIC PUBLICATIONS

**[IF=15.071]** Balan et al. The GABAA Receptor  $\alpha 2$  Subunit Activates a Neuronal TLR4 Signal in the Ventral Tegmental Area that Regulates Alcohol and Nicotine Abuse. (2018) Brain.Sci. 8 WB ; human . 29690521

**[IF=5.96]** Balan, Irina, et al. "Innately activated TLR4 signal in the nucleus accumbens is sustained by CRF amplification loop and regulates impulsivity." Brain, Behavior, and Immunity(2017). WB,ICC ; ="Rat" . 29146239

**[IF=5.923]** Lola Torz. et al. NPFF Decreases Activity of Human Arcuate NPY Neurons: A Study in Embryonic-Stem-Cell-Derived Model. Int J Mol Sci. 2022 Jan;23(6):3260 IF ; Human . 35328681

**[IF=6.208]** Steven L. Bernstein. et al. Neuroprotection and Neuroregeneration Strategies Using the rNAION Model: Theory, Histology, Problems, Results and Analytical Approaches. INT J MOL SCI. 2022 Jan;23(24):15604 IHC ; Rat . 36555246

**[IF=4.249]** Zoratto, F. et al. Intranasal oxytocin administration promotes emotional contagion and reduces aggression in a mouse model of callousness. (2018) Neuropharmacology.Sep 10;143:250-267. IHC ; mouse . 30213592