



Rabbit Anti-CRF antibody

SL0246R

| | |
|-------------------------------|--|
| Product Name: | CRF |
| Chinese Name: | 促肾上腺皮质激素释放因子/促肾上皮质激素释放激素抗体 |
| Alias: | Corticoliberin; Corticoliberin precursor; Corticotropin releasing factor; Corticotropin releasing hormone; Corticotropin releasing hormone deficiency included; crf; crh; crh deficiency included; corticoliberin preproprotein; CRF_HUMAN; Corticotropin-releasing factor; CRH1; CRH; Corticotropin-releasing hormone. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Chicken,Dog,Pig,Rabbit,Guinea Pig, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 5/22kDa |
| Cellular localization: | Secretory protein |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human CRF:185-196/196 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | Corticotropin-releasing hormone is secreted by the paraventricular nucleus (PVN) of the hypothalamus in response to stress. Marked reduction in this protein 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, 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, Apr 2010].

Function:

This hormone from hypothalamus regulates the release of corticotropin from pituitary gland.

Subunit:

Interacts (via C-terminus) with CRFR1 (via N-terminal^{iv} extracellular domain).

Subcellular Location:

Secreted.

Similarity:

Belongs to the sauvagine/corticotropin-releasing factor/urotensin I family.

SWISS:

P06850

Gene ID:

1392

Database links:

[Entrez Gene: 1392](#)Human

[Entrez Gene: 12918](#)Mouse

[Entrez Gene: 81648](#)Rat

[Olim: 122560](#)Human

[SwissProt: P06850](#)Human

[SwissProt: Q8CIT0](#)Mouse

[SwissProt: P01143](#)Rat

[Unigene: 75294](#)Human

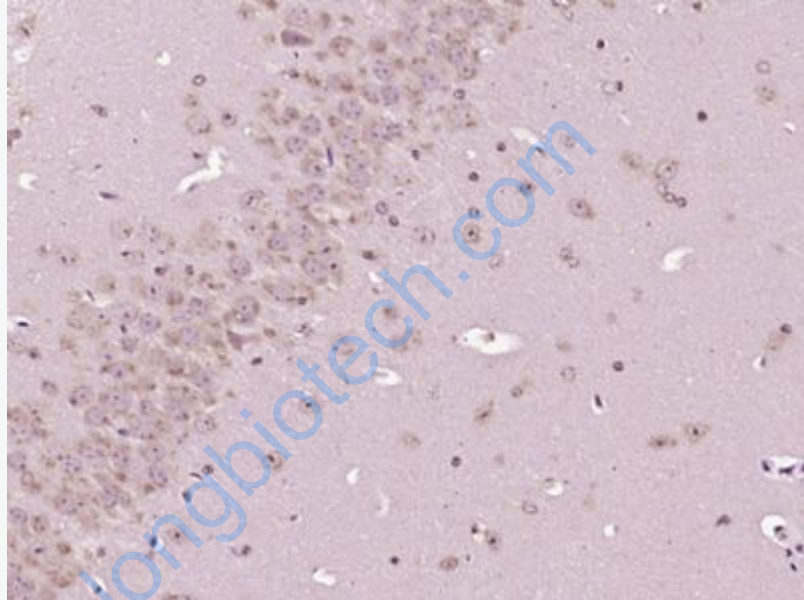
[Unigene: 290689](#)Mouse

[Unigene: 10349](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

CRF阳性神经元的胞体广泛分布于下丘脑的室旁核、背缝核和蓝斑核, 这些区域也是去甲肾上腺素(NE)神经元与5-羟色胺(5-HT)神经元密集的区域。CRF既具有神经递质的性质又具有神经激素的性质。CRF是联系神经系统与内分泌系统的桥梁, 在情感障碍疾患如焦虑和抑郁的发病中发挥重要作用。



Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CRF) Polyclonal Antibody, Unconjugated (SL0246R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.