Anti CRF (3-41)(Human, Mouse, Rat) Serum Cat. No. Y211 Lot No. 109160705

Description: This antiserum was raised in a rabbit by immunization with a porcine thyroglobulin conjugate of synthetic CRF (3-41) (human, mouse, rat) peptide. The product vial contains 50 μL of the titled antiserum, which was obtained by lyophilizing its 0.001M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with CRF (human, mouse, rat).

Immunogen: Synthetic CRF (3-41) (humna, mouse, rat)-porcine thyroglobulin

Amino Acid Sequence of CRF (3-41) (human, mouse, rat)[1,2)]

$$\overset{3}{\text{SEEPPISLDL TFHLLREVLE MARAEQLAQQ AHSNRKLMEI}}\ \overset{41}{\text{I-NH}_2}$$

Product Form: Lyophilized unpurified serum **Size:** 50 μL

Reconstitution: Reconstitute the product with 0.5mL of 0.01M PBS (pH 7.0) to make a 10 fold diluted stock solution. If it is stored in a refrigerator, add moderate antiseptic to the solution (e.g. NaN_3 0.1%).

Storage: The product will be stable for over one year if it be stored at -20°C to -80°C until opened. Upon reconstitution, the antiserum solution must be stored at 2°C to 8°C and used within one month. Reconstituted antiserum solution can also be aliquotted and stored at -20°C to -80°C for six months without marked loss of activity. Repeated freezing- thawing should be avoided.

Suggested Working Dilution Range: 1:1,000 (final dilution 1:7,000) for radioimmunoassay; 1:200-2,000 for enzymeimmunoassay; 1:1,000-5,000 for immunohistochemistry (frozen sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on ELISA)**:** CRF (3-41) (human, mouse, rat) 100%, CRF (human, rmouse, at) 100%, CRF (17-41) < 0.1%, urocortin (human) < 0.01%, urocortin (rat) < 0.01%, ACTH (human) < 0.01%, ACTH (rat) < 0.01%

Positive Control (immunohistochemistry)**:** Rat hypothalamus.

Species Tested: Rat

REFERENCES:

1) S. Shibahara, Y. Morimoto et al., Isolation and sequence analysis of the human corticotropin-releasing factor precursor gene. EMBO Journal 2: 775-779, 1983

2) J. Rivier, J. Spiess, and W. Vale, Characterization of rat hypothalamic corticotropin-releasing factor. Proceedings of National Academy Sciences U.S.A. 80:4851-4855,1983

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DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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