Anti CRF (24-41)(Human, Mouse, Rat) Serum Cat. No. Y210 Lot No. 086271018

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic CRF (24-41) (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 (24-41)(human, mouse, rat), carrier free **Host:** Rabbit

Amino Acid Sequence of CRF (24-41) (human, mouse, rat)[1,2)]

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                                    24                  41
SEEPPISLDL TFHLLREVLE MARAEQLAQQ AHSNRKLMEI I-NH2
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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. Repeated freezing-thawing should be avoided.

Suggested Working Dilution Range: 1:5,000 (final dilution 1:35,000) for radioimmunoassay; 1:1,000-5,000 for immunohistochemistry (frozen section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): CRF (24-41) (human, mouse, rat) 100%, CRF (human, mouse, rat) ~ 100%

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 of Sciences USA 80:4851-4855,1983

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DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

Yanaihara Institute Inc.

2480-1 Awakura, Fujinomiya, Shizuoka, 418-0011 Japan

TEL: +81-544-22-2771 FAX:+81-544-22-2770

For more infomation, please visit our internet website: http://www.yanaihara.co.jp or contact us to: ask@yanaihara.co.jp

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