



Anti Urocortin (Mouse, Rat) Serum

Cat. No. YII-Y361-EX Lot No. 11190218

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

Immunogen: Synthetic urocortin (mouse, rat)-pTG conjugate **Host:** Rabbit

Amino Acid Sequence of Urocortin (mouse, rat)¹⁾:
DDPPLSIDLT FLLRRTLLEL ARTQSQRERA EQNRIIFDSV-NH₂

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. NaN₃ 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 reconstituted, 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: 1:2,000 (final dilution ~1:16,000) for radioimmunoassay²⁾; 1:1,000- 6,000 for immunohistochemistry (frozen or paraffin section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): Urocortin (mouse, rat) 100%, urocortin (human) ~100%, urocortin (23-40) (mouse, rat) 45%, urocortin (1-22) (mouse, rat) < 0.5%, CRF (human, mouse, rat) 0%, urotensin I (carp) 2%

Positive Control (immunohistochemistry): Rat pituitary

Species Tested: Rat^{2,3)}

REFERENCES:

- 1) J. Vaughan, C. Donaldson et al., Urocortin, a mammalian neuropeptide related to fish urotensin I and to corticotropin-releasing factor. *Nature*, 378: 287-292, 1995
- 2) K. Iguchi, N. Yanaihara et al., Urocortin, its synthesis, antibody production, and biological activity. *ACTH Related Peptides*, 8:53-59, 1997
- 3) N. Kihara, M. Fujimura et al., Effects of central and peripheral urocortin on fed and fasted gastroduodenal motor activity in conscious rats. *American Journal of Physiology · Gastrointestinal and Liver Physiology* 280: G406-419, 2001

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