

## **Anti Urocortin (Mouse, Rat) Serum**

Cat. No. Y361

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  $\mu$ L 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)<sup>1)</sup>:**

DDPPLSIDLT FHLRLTLEL ARTQSQRERA EQNRRIIFDSV-NH<sub>2</sub>

**Product Form:** Lyophilized unpurified serum

**Size:** 50  $\mu$ L

**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<sub>3</sub> 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:** 1:2,000 (final dilution ~1:16,000) for radioimmunoassay<sup>2)</sup>; 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<sup>2,3)</sup>

### **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

**FOR RESEARCH LABORATORY USE ONLY**

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

  
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