

**Anti Urocortin 3 (Mouse) Serum**

Cat. No. Y364

Lot No. 1352170121

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

**Immunogen:** Synthetic Urocortin 3 (mouse)-pTG conjugate

**Host:** Rabbit

**Amino Acid Sequence of Urocortin 3 (mouse)<sup>1)</sup>:**

FTLSLDVPTN IMNILFNIDK AKNLRAKAAA NAQLMAQI-NH<sub>2</sub>

**Product Form:** Lyophilized unpurified serum

**Size:** 50 µL

**Reconstitution:** Reconstitute the product with 0.5 mL 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:** 1:8,000 for enzyme immunoassay (EIA); 1:5,000 for immunohistochemistry. Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on EIA): Urocortin 3 (mouse) 100%, urocortin 3 (7-38) (mouse) 78.72%, urocortin 3 (13-38) (mouse) 80.79%, urocortin 3 (21-38) (mouse) 57.89%, urocortin 3 (28-38) (mouse) 47.58%, urocortin 3 (32-38) (mouse) 72.26%, urocortin 3 (1-12) (mouse) 0.15%, urocortin 1 (mouse, rat) 0%, urocortin 1 (human) 0.04%, urocortin 2 (mouse) 0%, urocortin 2 (rat) 0%, ACTH (human) 0.03%, ACTH (mouse, rat) 0.03%, CRF (human, mouse, rat) 0.01%, CRF (17-41) (human, mouse, rat) 0%

**Positive Control** (Immunohistochemistry): Hypothalamus, midbrain

**Species Tested** (Immunohistochemistry): Mouse

**Related Peptides:**

Urocortin 1 (mouse, rat) DDPPLSIDLT FHLLRTLLEL ARTQSQRERA EQNRIIFDSV-NH<sub>2</sub>

Urocortin 2 (mouse) VILSLDVPIG LLRILLEQAR YKAARNQAAT NAQILAHV-NH<sub>2</sub>

**Related Antiserum:** Anti Urocortin 1 (mouse, rat) Serum Y362

Anti Urocortin 2 (mouse) Serum Y363

**REFERENCE:**

1. K. Lewis, C. Li et al., Identification of urocortin III, an additional member of the corticotropin-releasing factor (CRF) family with high affinity for the CRF2 receptor. *Proc. Natl. Acad. Sci. U.S.A.*, **98**: 7570-7575, 2001

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