

**Anti Urocortin 2 (Rat) Serum**

Cat. No. Y365

Lot No. 1647181020

**Description:** This antiserum was raised in a rabbit by immunization with porcine thyroglobulin (pTG) conjugate of synthetic urocortin 2 (rat) peptide. The product vial contains 50 µL of the titled antiserum obtained by lyophilizing its 0.001 M phosphate buffer (pH 7.0, 0.5 mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with urocortin 2 (rat).

**Immunogen:** Synthetic Urocortin 2 (rat)-pTG conjugate

**Host:** Rabbit

**Amino Acid Sequence of Urocortin 2 (rat):**

VILSLDVPIG LLRILLEQAR NKAARNQAAT NAQILARV-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:** 1:16,000 for enzyme immunoassay (EIA), 1:400 for immunohistochemistry. Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on EIA): Urocortin 2 (rat) 100%, urocortin 2 (mouse) 94%, urocortin 1 (mouse, rat) 0%, urocortin 3 (mouse) 0%, CRF (1-41) (human, mouse, rat) 0%

**Positive Control** (Immunohistochemistry): Hypothalamus

**Species Tested** (Immunohistochemistry): Rat

**Related Peptide:**

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

**Related Antiserum:** Anti Urocortin 2 (mouse) Serum Y363

**REFERENCE:**

1. JH. Park, SK. Ju, MK. Lee., Cloning and analysis of tissue-specific mRNA expression of rat urocortin II. Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
2. N. Yamauchi, A. Otagiri, T. Nemoto, A. Sekino, H. Oono, I. Kato, C. Yanaihara, T. Shibasaki., Distribution of urocortin 2 in various tissues of the rat. *J Neuroendocrinol.* 17: 656-663, 2005

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