

Anti Urocortin 1 (Mouse, Rat) Serum **Cat. No. Y362**

Description: This antiserum was raised in a rabbit by immunization with porcine thyroglobulin (pTG) conjugate of synthetic urocortin 1 (mouse, 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 1 (mouse, rat).

Immunogen: Synthetic Urocortin 1 (mouse, rat)-pTG conjugate

Host: Rabbit

Amino Acid Sequence of Urocortin 1 (mouse, rat)¹⁾:

DDPPLSIDLT FHLRLTLEL ARTQSQRERA EQNRIIFDSV-NH₂

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. 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 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 1 (mouse, rat) 100%, urocortin 1 (8-40) (mouse, rat) 100%, urocortin 1 (16-40) (mouse, rat) 84.67%, urocortin 1 (23-40) (mouse, rat) 96.82%, urocortin 1 (30-40) (mouse, rat) 16.47%, urocortin 1 (1-14) (mouse, rat) 0.14%, urocortin 1 (human) 51.32%, urocortin 2 (mouse) 0%, urocortin 2 (rat) 0%, urocortin 3 (mouse) 0%, ACTH (human) 0%, ACTH (mouse, rat) 0%, CRF (human, mouse, rat) 0%, CRF (17-41) (human, mouse, rat) 0%

Positive Control (Immunohistochemistry): Hypothalamus, midbrain

Species Tested (Immunohistochemistry): Mouse

Related Peptides:

Urocortin 2 (mouse) VILSLDVPIG LLRILLEQAR YKAARNQAAT NAQILAHV-NH₂

Urocortin 3 (mouse) FTLSLDVPTN IMNILFNIDK AKNLRKAAA NAQLMAQI-NH₂

Related Antiserum: Anti Urocortin 2 (mouse) Serum Y363

Anti Urocortin 3 (mouse) Serum Y364

REFERENCE:

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

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