

Anti Urocortin 3 (Mouse) Serum

Cat. No. Y364

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)¹⁾:

FTLSLDVPTN IMNILFNIDK AKNLRAKAAA NAQLMAQI-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 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-NH₂

Urocortin 2 (mouse) VILSLDVPIG LLRILLEQAR YKAARNQAAT NAQILAHV-NH₂

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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2480-1 Awakura, Fujinomiya, Shizuoka, 418-0011 Japan

FAX: +81-544-22-2770 TEL: +81-544-22-2771

For more information, please visit our internet website: <http://www.yanaihara.co.jp> or contact us to ask@yanaihara.co.jp