Anti Urocortin (3-40) (Mouse, Rat) Serum Cat. No. Y360

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic urocortin (3-40) (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, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with urocortin (mouse, rat).

Immunogen: Synthetic urocortin (3-40) (mouse, rat), carrier free **Host:** Rabbit

Amino Acid Sequence of urocortin (3-40) (mouse, rat)[1]:

3 40

DDPPLSIDLT FHLLRTLLEL ARTQSQRERA EQNRIIFDSV-NH2

Product Form: Lyophilized unpurified serum **Size:** 50 μL

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_3 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: 1:1,500 (final dilution ~1:10,500) for radioimmunoassay[2]; 1: 1,000-5,000 for immunohistochemistry (frozen and paraffin section)[3,4,5]. Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay)**:** Urocortin (3-40) (mouse, rat)100%, urocortin (mouse, rat) 164.7%, urocortin (human) ~100%, urocortin (30-40) (mouse, rat) 100%, urocortin (7-40) (mouse, rat) 260%, urocortin (1-22) (mouse, rat) < 0.1%, CRF (human, mouse, rat) 0%, urotensin I (carp) < 0.1%

Positive Control (immunohistochemistry)**:** Rat pituitary gland

Species Tested: Rat

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4) H. Yamamoto, T. Maeda et al., Urocortin-like immunoreactivity in the substantia nigra, ventral tegmental area and Edinger-Westphal nucleus of rat. Neuroscience Letters 243: 21-24, 1998

5) T. Nishikimi, A. Miyata et al., Urocortin, a member of the corticotropin-releasing factor family, in normal and diseased heart. Amecican Journal of Physiology・Heart and Circulatory Physiology 279: H3031-3039, 2000

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