Anti Neurotensin Serum
Cat. No. YII-Y130-EX Lot No. 350171102

Description: This antiserum was raised in a rabbit by immunization with a bovine serum albumin (BSA) conju- gate of synthetic neurotensin (bovine) peptide. The product vial contains 50 µL of the titled antiserum obtained by lyophi- lizing its 0.001 M phosphate buffer (pH 7.0, 0.5mL) solution . It can be used for immunoassay, immuno- histochemistry or any other immunoreaction with neurotensin (bovine, rat).

Immunogen: Synthetic neurotensin (bovine, rat)-BSA conjugate **Host:** Rabbit

Amino Acid Sequence of Neurotensin (bovine, rat)[1]**:** pELYENKPRRP YIL

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. 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 recon- stitution, 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; 1: 1,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay)**:** Neurotensin 100%, neurotensin (1-9) 21%, neurotensin (1-8)16%, neurotensin (6-13)< 0.01%, neurotensin (9-12) <0.00%[2]

Positive Control (immunohistochemistry)**:** Rat hypothalamus and ileum

Species Tested: Bovine, human, monkey, rat[2,3]

REFERENCES:

1) R. Carraway and S.E. Leeman, The amino acid sequence of a hypothalamic peptide, neurotensin. Journal of Biological Chemistry 250: 1907-1911, 1975
2) C. Yanaihara, T. Mochizuki et al., Immunoreactive neurotensin in human and monkey intestines. Biomedical Research 1, Supplement: 67-72, 1980
3) H. Kuramoto, N. Yanaihara et al., An immunohistochemical and ultrastructural study of Segi's cap, a large aggregation of gut endocrine cells, in bovine fetuses. Archivum Histologicum Japonicum 46: 701-711, 1983

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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