

Lot No. 090171213

Description: This antiserum was raised in a rabbit by immunization with a bovine serum albumin (BSA) conjugate of synthetic galanin (9-30) (human) peptide. The product vial contains 50 μ L of the titled antiserum obtained by lyophilizing its 0.001M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with galanin (human).

Host: Rabbit

Amino Acid Sequence of Galanin (9-30) (human)¹⁾:

9 30
GWTLNSAGYL LGPHAVGNHR SFSDKHGLTS

Size: 50 μ L

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 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: 1:3,000 (final dilution ~1:21,000) for radioimmunoassay; 1:500-2,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): Galanin (9-30) (human) 100%, galanin (human) 150.6%, galanin (16-30) (human) 0%, galanin (rat) 10.2%, galanin (porcine) 5.4%, substance P 0%, neurokinin A 0%

Positive Control (immunohistochemistry): Rat duodenum

Species Tested: Rat

REFERENCES:

1) M. Bersani, A.H. Johnsen et al., Human galanin: primary structure and identification of two molecular forms. FEBS Letters 283: 189-194, 1991

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