



Anti Substance P Serum

Cat. No. YII-Y150-EX Lot No. 240471110

Description: This antiserum was raised in a rabbit by immunization with a bovine serum albumin (BSA) conjugate of synthetic substance P 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 substance P.

Immunogen: Synthetic substance P-BSA conjugate **Host:** Rabbit

Amino Acid Sequence of Substance P¹⁾: RPKPQFFGLM-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. 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: 1:8,500 (final dilution~1:60,000) for radioimmunoassay; 1:1,000-4,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): substance P 100%, substance P (6-10) 20%, substance P (4-10) 0.5%, neurokinin A 1.0%

Positive Control (immunohistochemistry): Rat colon

Species Tested: Human, dog, quail, guinea pig, rat^{2,3,4,5,6)}

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