

Anti PHI (Rat) Serum

Cat. No. Y022

Lot No. 025171011

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic PHI (rat) peptide. The product vial contains 50 μ L 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 PHI (rat).

Immunogen: Synthetic PHI (rat), carrier free

Host: Rabbit

Amino Acid Sequence of PHI (rat)¹⁾: HADGVFTSDY SRLLGQISAK KYLESII-NH₂

Product Form: Lyophilized unpurified serum

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: 1:2,000-5,000 (final dilution ~1:35,000) 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): PHI (rat) 100%, PHI (human) 80%, PHI (porcine) 75%, secretin (porcine) 0%, VIP (porcine) 0%, PACAP38 (human) 0%

Positive Control (immunohistochemistry): Rat colon.

Species Tested: Rat

REFERENCES:

1) M. Nishizawa, N. Yanaihara et al., Nucleotide sequence divergence and functional constraint in VIP precursor mRNA evolution between human and rat. FEBS Letter 183:55-59, 1985

FOR RESEARCH LABORATORY USE ONLY
DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM



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