

Anti PACAP27 (13-27) (Human) Serum

Cat. No. Y051 Lot No. 082271206

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic PACAP27 (13-27) (human) 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 the C-terminal portion of PACAP27 (human).

Immunogen: Synthetic PACAP27 (13-27) (human) peptide, carrier free

Host: Rabbit

Amino Acid Sequence of PACAP27 (13-27) (human)¹⁾:

13 27
HSDGIFTDSY SRYRKQMAVK KYLA AVL-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: 1:2,000-20,000 (final dilution ~1:140,000) for radioimmunoassay; 1: 1,000-6,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): PACAP27 (13-27) (human) 100%, PACAP27 (human) 149.9%, PACAP27 (8-27) (human) 112.9%, PACAP27 (16-27) (human) 54.9%, PACAP (22-27) (human) 3.3%, PACAP38 (human) <0.1%, PACAP38 (1-15) (human) 0%, VIP 0%, glucagon 0%, PHI (human) 0%, secretin (human) 0%

Positive Control (immunohistochemistry): Rat colon

Species Tested: Rat

REFERENCES:

- 1) A. Miyata, A. Arimura et al., Isolation of a neuropeptide corresponding to the N-terminal 27 residues of the pituitary adenylate cyclase activating polypeptide with 38 residues (PACAP38), *Biochemistry Biophysics Research Communication* 170:643-648, 1990

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



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