

Anti PACAP38 (22-38) (Human) Serum

Cat. No. Y041 Lot No. 084271105

Description: This antiserum was raised in a rabbit by immunization with a porcine thyroglobulin (pTG) conjugate of synthetic PACAP38 (22-38) (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 PACAP38 (human).

Immunogen: Synthetic PACAP38 (22-38) (human)-pTG conjugate **Host:** Rabbit

Amino Acid Sequence of PACAP38 (22-38) (human)¹⁾:

22 38
HSDGIFTDSY SRYRKQMAVK KYLAAVLGKR YKQRVKNK-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: 1:5,000-20,000 (final dilution ~1:140,000) for radioimmunoassay; 1: 500-4,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay): PACAP38 (22-38) (human) 100%, PACAP38 (human) 30%, PACAP38 (5-38) (human) 30%, PACAP38 (10-38) (human) 17.2%, PACAP38 (16-38) (human) 52%, PACAP27 (human) < 0.1%, glucagon 0%, VIP (porcine) 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 novel 38 residue-hypothalamic polypeptide which stimulates adenylate cyclase in pituitary cells. Biochemistry Biophysics Research Communications 164:567-574, 1989

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SCETI K.K.

DF Kasumigaseki Place, 3-6-7 Kasumigaseki, Chiyoda-ku, Tokyo 100-0013 Japan

URL: <http://www.sceti.co.jp/export/> e-mail: exp-pet@sceti.co.jp

<Manufacturer>

Yanaihara Institute Inc.

2480-1 Awakura, Fujinomiya-shi, Shizuoka 418-0011 JAPAN