



## Anti PACAP38 (22-38) (Human) Serum

**Cat. No. YII-Y041-EX      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 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, immuno- histochemistry 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)<sup>1)</sup>:**

22 38

HSDGIFTDSY SRYRKQMAVK KYLAAVLGKR YKQRVKNK-NH<sub>2</sub>

**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. NaN<sub>3</sub> 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 reconstituted, 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%, PACAP 38 (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

**FOR RESEARCH LABORATORY USE ONLY**

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

