

Anti Chromogranin A (1-28)(Rat) Serum

Cat. No. Y294

Description: This antiserum was raised in a rabbit by immunization with a conjugate of bovine serum albumin (BSA) to synthetic chromogranin A (1-28) (rat) peptide at position 17 Cys residue. The product vial contains 50µL of the titled antiserum obtained by lyophilizing its 0.001M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with chromogranin A (rat).

Immunogen: Synthetic Chromogranin A (1-28) (rat), BSA conjugate

Host: Rabbit

Amino Acid Sequence of Chromogranin A (1-28)(rat)^{1,2)}

1 28
LPVNSPMTKG DTKVMKCVLE VISDSLK

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 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: 1:3,000 (final dilution 1:21,000) for radioimmunoassay^{3,4)}; 1:500~3,000 for immunohistochemistry (frozen section)³⁾. Optimal dilution should be determined by each laboratory for each application.

Specificity (based on RIA) : Chromogranin A (1-28) (rat) 100%, Pancreastatin (rat) 0%.

Positive Control (immunohistochemistry): Rat adrenal gland³⁾

Species Tested: Rat

REFERENCES:

- 1) A. Iacangelo, H. Okayama et al., primary structure of rat chromogranin A and distribution of its mRNA. FEBS Letter 227: 115-121, 1988
- 2) R.J. Parmer. A.H. Koop et al., Molecular cloning of chromogranin A from rat pheochromocytoma cells. Hypertension 14: 435-444, 1989
- 3) K. Ohshima, S. Nagasawa et al., Synthesis of rat chromogranin A fragments and their immunological properties. Peptide Chemistry, 1991, Protein Research Foundation, Osaka, A. Suzuki (Ed), pp157-162, 1992
- 4) S. Nagasawa, Y. Nishikawa et al., Distribution of chromogranin A-like peptides in the rat. Biomedical Research 16 (2): 83-90, 1995

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM



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