Anti Chromogranin A (1-28)(Rat) Serum	Cat. No. Y294	Lot No. 0791101012
Description: This antiserum was raised in a rabbit by im	munization with a con	jugate of bovine serum
albumin (BSA) to synthetic chromogranin A (1-28) (rat) pep	tide at position 17 Cys r	esidue. The product vial
contains 50 μ L of the titled antiserum obtained by lyophilizi	ng its 0.001M phosphate	e buffer (pH 7.0, 0.5mL)
solution. It can be used for immunoassay, immunohisto	chemistry or any othe	r immunoreaction with
chromogranin A (rat).		

Immunogen: Synthetic Chromogranin A (1-28) (rat), BSA	conjugate	Host: Rabbit
	1	28
Amino Acid Sequence of Chromogranin A (1-28)(rat) $^{1,2)}$: LPVNSPMT	KG DTKVMKCVLE VISDSLSK

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 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 \sim 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:

- A. Iacangelo, H. Okayama et al., primary structure of rat chromogranin A and distribution of its mRNA. FEBS Letter 227: 115-121, 1988
- R.J. Parmer. A.H. Koop et al., Molecular cloning of chromogranin A from rat pheochromocytoma cells. Hypertension 14: 435-444, 1989
- 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
- S. Nagasawa, Y. Nishikawa et al., Distribution of chromogranin A-like peptides in the rat. Biomedical Research 16 (2): 83-90, 1995

<Distributed by>



3-6-7, Kasumigaseki, Chiyoda-ku, Tokyo 100-0013 Japan URL: www.sceti.co.jp/export/ e-mail: exp-pet@sceti.co.jp Tel: +81-3-5510-2347 Fax: +81-3-5510-0133