Anti Chromogranin A (344-374) (Human) Serum
Cat. No. YII-Y293-EX Lot No. 7670424

Description: This antiserum was raised in a rabbit by immunization with a carrier free synthetic chromogranin A (344-374) (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, immunohistochemistry or any other immunoreaction with chromogranin A related peptides.

Immunogen: Synthetic chromogranin A (344-374) (human), carrier free **Host:** Rabbit

Amino Acid Sequence of Chromogranin A (344-374) (human)[1]**:**
EEEEDNR DSSMKLSFRA RAYGFRGPGP QLRR

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 it be stored at -20°C to -80°C until opened. Upon recon- stitution, 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: 1:500-1,200 (final dilution ~1:3,500-8,400) for radioimmunoassay[2,3]; 1:2,500 for enzyme immunoassay[4], 1: 1,000 for immunohistochemistry (frozen section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on radioimmunoassay)**:** CgA (344-374) (human) 100%, CgA (359-389) (rat) 33.5%, not react with CgA (375-389) (rat) and CgA (360-374) (human)

Positive Control (immunohistochemistry)**:** Rat pituitary gland and adrenal gland

Species Tested: Human

REFERENCES:
1) D.S. Konecki, U.M. Benedum et al., The primary structure of human chromogranin A and pancreastatin. Journal of Biological Chemistry, 262:17026, 1987
2) Y. Nishikawa, J. Li et al., Region-specific radioimmunoassay for human chromogranin A, Biomedical Research, 19:245-252, 1998
3) H. Yanaihara, M. Hata et al., Application of region-specific immunoassay for human chromogranin A: substantial clue for detection and measurement of chromogranin A in human plasma, regulated Peptide, 80:83-90, 1999
4) S. Nagasawa, Y. Nishikawa et al., Simple enzyme immunoassay for the measurement of immnoreactive chromogranin A in human plasma, urine, and saliva, Biomedical Research, 19: 407-410, 1998

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

COSMO BIO CO., LTD.
Inspiration for Life Science
TOYO EKIMAE BLDG, 2-20,TOYO 2CHOME,KOTO-KU,TOKYO 135-0016,JAPAN
TEL: +81-3-5632-9617 FAX: +81-3-5632-9618 e-mail: export@cosmobio.co.jp
www.cosmobio.co.jp