



**Anti Chromogranin A (343-360) (Rat) Serum**  
**Cat. No. YII-Y292-Ex      Lot No. 094171214**

**Description:** This antiserum was raised in a rabbit by immunization with a carrier free synthetic chromogranin A (343-360) (rat) 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 (343-360) (rat), carrier free **Host:** Rabbit

**Amino Acid Sequence of Chromogranin A (343-360) (rat)<sup>1)</sup>:**  
WSRMDQLA KELTAEKRLE

**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:** 1:1,000 (final dilution ~1:7,000) for radioimmunoassay<sup>2)</sup>; 1:1,000 for immunohistochemistry (frozen section). Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on radioimmunoassay): Chromogranin A (343-360) (rat) 100%. Pancreastatin (rat) 0%

**Positive Control** (immunohistochemistry): Rat pituitary gland and adrenal gland<sup>3)</sup>

**Species Tested:** Rat

**REFERENCES:**

- 1) A. Iacangelo, H. Okayama, and L.E. Eiden, Primary structure of rat chromogranin A and distribution of its mRNA. *FEBS Letter* 227:115-121, 1988
- 2) S. Nagasawa, Y. Nishikawa et al., Distribution of chromogranin A-like peptides in the rat, *Biomedical Research* 16: 83-90, 1995
- 3) Y. Nishikawa, T. Iwanaga et al., Distribution and existence pattern of chromogranin A in tissues studied by using region-specific antisera, *Proceedings of the 11th Gut Hormone Conference, Japan Society of Gut Hormones, (Ed), 1992, 2:p345-352*

**FOR RESEARCH LABORATORY USE ONLY**

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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