

## **Anti Rattin-24 Serum**

**Cat. No. Y441**

**Lot No. 1410160726**

**Description:** This antiserum was raised in a rabbit by immunization with a keyhole limpet hemocyanin (KLH) conjugate of synthetic rattin-24 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 rattin.

**Immunogen:** Synthetic rattin-24-KLH conjugate

**Host:** Rabbit

**Amino Acid Sequence of Rattin-24 <sup>1)</sup>:**

MAKRGFNCLL LSISEIDLVP KRLE

**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 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:** 1:10,000 for enzyme immunoassay (EIA); 1:20,000 for immunohistochemistry. Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on EIA): Rattin-38 100%, humanin 3.8%

**Positive Control** (immunohistochemistry): Hippocampus, cerebral cortex, cerebellum, duodenum, spleen, kidney, and testis

**Species Tested:** Rat

**Related Peptides:**

Humanin: MAPRGFSCLL LLTSEIDLVP KRRR

Rattin-38: MAKRGFNCLL LSISEIDLVP KRLESPNKTR RPYGASIY

**Related Antiserum:** Anti Humanin Serum Y440

## **REFERENCE:**

- 1) A. Caricasole, V. Bruno et al., A novel rat gene encoding a Humanin-like peptide endowed with broad neuroprotective activity. The FASEB Journal. 16: 1331-3, 2002

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