

## **Anti Humanin Serum**

**Cat. No. Y440**

**Lot No. 1282160726**

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

**Immunogen:** Synthetic humanin-KLH conjugate

**Host:** Rabbit

**Amino Acid Sequence of Humanin** <sup>1) 2)</sup>:

MAPRGFSCLL LLTSEIDLVP KRRA

**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:** 1:8,000 for enzyme immunoassay (EIA); 1:5,000 for immunohistochemistry . Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on EIA): Humanin (5-24) 35.0%, humanin (9-24) 1.9%, humanin (14-24) 0.18%, humanin (19-24) 0.18%, humanin (9-18) 0%, rattin-38 0%, rattin-24 0%

**Positive Control** (immunohistochemistry): Hippocampus, cerebellum

**Species Tested:** Human

### **Related Peptides:**

Rattin-24 MAKRGFNCLL LSISEIDLVP KRLE

Rattin-38 MAKRGFNCLL LSISEIDLVP KRLESPNKTR RPYGASIY

**Related Antiserum:** Anti Rattin-24 Serum Y441

### **REFERENCES:**

- 1) Y. Hashimoto, I. Nishimoto et al., A rescue factor abolishing neuronal cell death by a wide spectrum of familial Alzheimer's disease genes and Aβ. Proceedings of the National Academy of Sciences 98: 6336-6341, 2001
- 2) H. Tajima, I. Nishimoto et al., Evidence for in vivo production of Humanin peptide, a neuroprotective factor against Alzheimer's disease-related insults. Neuroscience Letters 324: 227-231, 2002

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