

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 ^{1) 2)}:

MAPRGFSCLL LLTSEIDL PV 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. 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 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 LSISEIDL PV KRLE


Rattin-38 MAKRGFNCLL LSISEIDL PV 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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DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM


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