

Anti Glicentin (1-32) (Rat) Serum

Cat. No. Y324 Lot No. 1284170324

Description: This antiserum was raised in a rabbit by immunization with a keyhole limpet hemocyanin (KLH) conjugate of synthetic fragment of glicentin (1-32) (rat) peptide. The product vial contains 50 μ L of the titled anti-serum obtained by lyophilizing its 0.001M phosphate buffer (pH 7.0, 0.5mL) solution. It can be used for immunoassay, immunohistochemistry or any other immunoreaction with glicentin (rat).

Immunogen: Synthetic Glicentin (1-32)-cys (rat)-KLH conjugate

Host: Rabbit

Amino Acid Sequence of Glicentin (rat)¹⁾:

¹ HAPQDTEENA RSFPASQTEP LEDPDQINED ³² KRHSQGTFTS DYSKYLDSRR
AQDFVQWLMN TKRNRNNIA

Product Form: Lyophilized unpurified serum

Size: 50 μ L

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: 1:5,000-25,000 for enzyme immunoassay; 1:1,000-5,000 for immunohistochemistry (frozen or paraffin section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on competitive EIA): Glicentin (1-32) (rat) 100%, Glicentin (rat) 100%, Glicentin (human) 0.2%, GLP-1 < 0.1%, GLP-2 (rat) < 0.1%, glucagon < 0.1%

Positive Control (immunohistochemistry): Rat pancreas, rat small intestine

Species Tested: Rat

REFERENCES:

1) G. Heinrich, P. Gros, and JF. Habener. Glucagon gene sequence. Four of six exons encode separate functional domains of rat prepro-glucagon. Journal of Biological Chemistry 259:14082-14087, 1984

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