

Anti Obestatin (Mouse, Rat) Serum

Cat. No. Y460

Lot No. 1682190517

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

Immunogen: Synthetic Obestatin (mouse, rat)-KLH conjugate

Host: Rabbit

Amino Acid Sequence of Obestatin (mouse, rat) ¹⁾

FNAPFDVGIK LSGAQYQQHG RAL-NH₂

Product Form: Lyophilized unpurified serum

Size: 50 µL

Reconstitution: Reconstitute the product with 0.5 mL of 0.01M PBS (pH 7.0) to yield 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: 1:27,000 for enzyme immunoassay (EIA); 1:5000 for immunohistochemistry. Optimal dilution should be determined by each laboratory for each application.

Specificity (based on non-competitive EIA): Obestatin (mouse, rat) 100%, Obestatin (11-23) (mouse, rat) 90.42%, Obestatin (1-10)(mouse, rat, human) 25.95%, Obestatin (1-23)-OH (mouse, rat) 20.76%, Obestatin (human) 26.37%, Obestatin (human) (11-23) 24.91%, Ghrelin (mouse, rat) 0%, Des-octanonyl ghrelin (mouse, rat) 0%

Positive Control (Immunohistochemistry): Rat stomach

Species Tested (Immunohistochemistry): Rat

REFERENCES:

1. Zhang, JV et al: Obestatin, a peptide encoded by the ghrelin gene, opposes ghrelin's effects on food intake. *Science*, **310**, 996-999, 2005

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