



Anti Orexin B (Mouse, Rat) Serum

Cat. No. YII-Y451-EX Lot No. 1385170126

Description: This antiserum was raised in a rabbit by immunization with a keyhole limpet hemocyanin (KLH) conjugate of synthetic orexin B (mouse, rat) peptide. The product vial contains 50mL 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 orexin B (mouse, rat).

Immunogen: Synthetic Orexin B (mouse, rat)-KLH conjugate

Host:Rabbit

Amino Acid Sequence of Orexin B (mouse, rat)^{1) 2)}:

RPGPPGLQGR LQRLQANGN HAAGILTM-NH₂

Product Form: Lyophilized unpurified serum **Size:** 50mL

Reconstitution: Reconstitute the product with 0.5 mL 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); 1:6,000 for immunohistochemistry. Optimal dilution should be determined by each laboratory for each application.

Specificity(based on EIA): Orexin B (mouse, rat) 100%, Orexin A (bovine, dog, human, mouse, porcine, rat) 0%

Positive Control (Immunohistochemistry): Hypothalamus

Species Tested(Immunohistochemistry): Mouse

Related Peptide:Orexin A (bovine, dog, human, mouse, porcine, rat):

Related Antiserum:Anti Orexin A Serum Y450

REFERENCES:

1. T. Sakurai, A. Amemiya et al., Orexins and orexin receptors: a family of hypothalamic neuropeptides and G protein-coupled receptors that regulate feeding behavior. *Cell*, **92**: 573-585, 1998
2. L. Lecea, TS. Kilduff et al., The hypocretins: hypothalamus-specific peptides with neuroexcitatory activity. *Proc. Natl. Acad. Sci. U.S.A.*, **95**:322-327, 1998

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