



Anti Orexin A Serum Cat.No. YII-Y450 -EX Lot No. 1391170127

Description: This antiserum was raised in a rabbit by immunization with porcine thyroglobulin (pTG) conjugate of synthetic orexin A (bovine, dog, human, mouse, porcine, rat) peptide. The product vial contains 50 mL 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 immunoreactions with orexin A (bovine, dog, human, mouse, porcine, rat).

Immunogen: Synthetic Orexin A-pTG conjugate Host: Rabbit

Amino Acid Sequence of Orexin A (bovine¹⁾, dog²⁾, human³⁾, mouse^{1) 4)}, porcine⁵⁾, rat^{1) 4)}.

Product Form: Lyophilized unpurified serum Size: 50 mL

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. $NaN_3 0.1\%$).

Storage: The product will be stable for over one year if it be stored at $-20\Box$ to $-80\Box$ until opened. Upon reconstitution, the antiserum solution must be stored at $2\Box$ to $8\Box$ and used within one month. Repeated freezing- thawing should be avoided.

Suggested Working Dilution Range: 1:8,000 for enzyme immunoassay (EIA); 1:10,000 for immunohistochemistry. Optimal dilution should be determined by each laboratory for each application.

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

Positive Control (Immunohistochemistry): Hypothalamus

Species Tested (Immunohistochemistry): Mouse

Related Peptide: Orexin B (mouse, rat) RPGPPGLQGR LQRLLQANGN HAAGILTM-NH2

Related Antiserum: Anti Orexin B (mouse, rat) Serum Y451

REFERENCES:

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