# Anti Orexin A Serum

**Cat.No. Y450** **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 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 immunoreactions with orexin A (bovine, dog, human, mouse, porcine, rat).

**Immunogen:** Synthetic Orexin A-pTG conjugate **Host:** Rabbit

**Amino Acid Sequence of Orexin A (bovine[1], dog[2], human[3], mouse[1)4)], porcine[5], rat[1)4)]):**


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

**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℃ to –80℃ until opened. Upon reconstitution, the antiserum solution must be stored at 2℃ to 8℃ 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-$NH_2$

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

**REFERENCES:**


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SCETI K.K.
DF Kasumigaseki Place, 3-6-7 Kasumigaseki, Chiyoda-ku, Tokyo 100-0013 Japan
URL: http://www.sceti.co.jp/export/ e-mail: exp-pet@sceti.co.jp
＜Manufacturer＞
Yanaihara Institute Inc.
2480-1 Awakura, Fujinomiya-shi, Shizuoka 418-0011 JAPAN