

## **Anti ACTH (Mouse, Rat) Serum**

Cat. No. Y350 Lot No. 54150207

**Description:** This antiserum was raised in a rabbit by immunization with a carrier free conjugate of synthetic ACTH (mouse, rat) peptide. The product vial contains 50  $\mu$ L of the titled antiserum 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 ACTH (mouse, rat).

**Immunogen:** Synthetic ACTH (mouse, rat), carrier free

**Host:** Rabbit

**Amino Acid Sequence of ACTH (mouse, rat)<sup>1)</sup>:**

SYSMEHFRWG KPVGKKRRPV KVYPNVAENE SAEAFPLEF

**Product Form:** Lyophilized unpurified serum

**Size:** 50  $\mu$ 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. NaN<sub>3</sub> 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:** 1:1,000-4,000 for immunohistochemistry (frozen or paraffin sections). Optimal dilution should be determined by each laboratory for each application.

**Specificity** (based on non-competitive EIA): ACTH (mouse, rat) 100%, ACTH (human) 80%,

**Positive Control** (immunohistochemistry): Rat pituitary gland

**Species Tested:** Rat

### **REFERENCES:**

1) J. Drouin, M. Chamberland Charronet al., Structure of the rat pro-opiomelanocortin (POMC) gene. FEBS Lett. 193:54-59, 1982

**FOR RESEARCH LABORATORY USE ONLY**

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

  
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