



Anti ACTH (1-23) (Mouse, Rat) Serum

Cat. No. YII-Y352-EX Lot No. 190100513

Description: This antiserum was raised in a rabbit by immunization with a keyhole limpet hemocyanin (KLH) conjugate of synthetic ACTH (1-23) (mouse, rat) peptide. The product vial contains 50 µL 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 the N-terminal portion of ACTH (mouse, rat).

Immunogen: Synthetic ACTH (1-23) (mouse, rat)-KLH conjugate **Host:** Rabbit

Amino Acid Sequence of ACTH (1-23) (mouse, rat)¹⁾:
SYSMEHFRWG KPVGKKRRPV KVYPNVAENE SAEAFPLEF

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

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. 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: 1:1,500 (final dilution ~1:10,500) for radioimmunoassay; 1:200-1,000 for immunohistochemistry (frozen or paraffin section). Optimal dilution should be determined by each laboratory for each application.

Specificity (based on enzyme immunoassay): ACTH (1-23) (mouse, rat) 100%, ACTH (mouse, rat) 100%

Positive Control (immunohistochemistry): Rat pituitary gland

Species Tested: Rat

REFERENCES:

1) J. Drouin, M. Chamberland et al., Structure of the rat pro-opiomelanocortin (POMC) gene. FEBS Letters. 193:54-58, 1985

FOR RESEARCH LABORATORY USE ONLY

DO NOT USE ORGANIC SOLVENTS FOR DISSOLVING ANTISERUM

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