

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

Cat. No. Y352 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 μ 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 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⁾:

1 23
SYSMEHFRWG KPVGKKRRPV KVYPNVAENE SAEAFPLEF

Product Form: Lyophilized unpurified serum

Size: 50 μ 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. 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

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