Anti ACTH (21-39) (Mouse, Rat) Serum
Cat. No. YII-Y351-EX Lot No. 16190424

Description: This antiserum was raised in a rabbit by immunization with a keyhole lympet hemocyanin (KLH) conjugate of synthetic ACTH (21-39) (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, immunohi- stochemistry or any other immunoreaction with the C-terminal portion of ACTH (mouse, rat).

Immunogen: Synthetic ACTH (21-39) (mouse, rat)-KLH conjugate **Host:** Rabbit

Amino Acid Sequence of ACTH (21-39) (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 recon- stitution, 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(final dilution ~1:7,000) for radioimmunoassay; 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 radioimmunoassay)**:**
ACTH (21-39) (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

COSMO BIO CO., LTD.
Inspiration for Life Science
TOYO EKIMAE BLDG, 2-20,TOYO 2CHOME,KOTO-KU,TOKYO 135-0016,JAPAN
TEL: +81-3-5632-9617 FAX: +81-3-5632-9618 e-mail: export@cosmobio.co.jp
www.cosmobio.co.jp