BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti Adrenocorticotropic Hormone (1-39)

Adrenocorticotropic Hormone (ACTH) is a 39 amino acid peptide hormone produced and secreted by cells of the anterior pituitary gland. It is an important component in therapeutic and diagnostic procedures. This hormone is central to the hypothalamic-pituitary-adrenal axis, a major neuroendocrine system that controls reactions to stress and regulates many body processes, including digestion, the immune system, mood and emotions, and energy metabolism.

This antibody was generated by immunization of rabbits with Adrenocorticotropic Hormone (1-39) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number: T-4117 (Lot 070222)

Clonality: Polyclonal

Host species: Rabbit

Reactivity: Human

Quantity: 1.0 ml

Format: Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN3, and 0.1% Triton X-100.

Reconstitute by adding 1.0 ml of distilled water.

Stability and Storage: Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.

Immunogen: Synthetic peptide H-Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-Asn-Val-Ala-Glu-Asn-Glu-Ser-Ala-Glu-Ala-Phe-Pro-Leu-Glu-Phe-OH (Disulfide bond) coupled to carrier protein.

Protein database: human-Q01718

Cross-Reactivity:

PEPTIDE	%
ACTH (1-39) (human)	100
ACTH (1-39) (rat)	100
ACTH (1-24) (human, rat)	100
ACTH (7-38) (human)	32
ACTH (18-39) (human)	2

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Cross-Reactivity:

PEPTIDE	%
ACTH (1-10) (human, rat)	0
CRF (human, rat)	0
β-Endorphin (human)	0
α-MSH	0
Met-Enkephalin	0
α-ANP (1-28) (human, canine)	0
BNP-32 (human)	0

Applications:

Tested in ELISA against Adrenocorticotropic Hormone (1-39). Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well.
Optimal dilutions should be determined by the end user.

Please see **bma.ch** for protocols and general information.

Related Products:

S-1184: ELISA high sensitivity for extracted samples
S-1376: ELISA extraction-free for human serum and plasma samples
T-4119: Rabbit anti ACTH (1-39), neat antiserum
T-4118: Rabbit anti ACTH (1-39), purified antiserum
T-4121: Rabbit anti ACTH (1-24) diluted antiserum, (hu, bo, rt)
T-4123: Rabbit anti ACTH (1-24) neat antiserum, (hu, bo, rt)

This product contains sodium azide as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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