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-4119 (Lot A22631)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human
Quantity:	50 µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 µl distilled water. This will give the equivalent of undiluted antiserum.
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:	n/a

Cross Reactivity:

PEPTIDE	**%**
ACTH (1-39) (mouse, rat)	100
ACTH (1-39) (human)	100
ACTH (1-24) (human)	100
ACTH (7-38) (human)	31.2

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Cross Reactivity:

PEPTIDE	%
ACTH (18-39) (human)	0
α-MSH	0
LH-RH	0
PACAP-38 (human, mouse, ovine, porcine, rat)	0
β-Endorphin (rat)	0

Applications:

Tested in immunohistochemistry (IHC) and ELISA against Adrenocorticotropic Hormone (1-39). Other applications like 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.

Approximate working dilution for IHC:
Frozen sections: not tested yet.
Paraffin sections: 1:500; recommended Proteinase K pre-treatment.

Related Products:

T-4122: purified IgG
S-1130: ELISA, high sensitivity for extracted samples
S-1184: ELISA, high sensitivity for extracted samples
S-1376: ELISA, extraction-free for human samples

This product contains no preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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