# ATAGENIX LABORATORIES

**Catalog Number:ATA24386**

**Adrenocorticotropin(ACTH) (ABT-ACTH) mouse Monoclonal Antibody**

## Product overview

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| **product name** | Adrenocorticotropin(ACTH) (ABT-ACTH) mouse Monoclonal Antibody |
| **catalog No.** | ATA24386 |
| **Category** | Primary antibodies |
| **Host** | Mouse/IgG1, Kappa |
| **Species specificity** | Human |
| **Tested applications** | IHC-p |
| **Clonality** | Monoclonal |
| **Conjugation** | Unconjugated |
| **Immunogen** | Synthesized peptide derived from human Adrenocorticotropin(ACTH) |

## Product performance

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|---|---|
| **Form** | Liquid |
| **Buffer** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Storage** | -20°C/1 year |
| **Purity** | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. |

## Dilution range

WB 500-2000 IHC-p 1:100-500

## Product background

proopiomelanocortin(POMC) Homo sapiens This gene encodes a preproprotein that undergoes extensive, tissue-specific, post-translational processing via cleavage by subtilisin-like enzymes known as prohormone convertases. There are eight potential cleavage sites within the preproprotein and, depending on tissue type and the available convertases, processing may yield as many as ten biologically active peptides involved in diverse cellular functions. The encoded protein is synthesized mainly in corticotroph cells of the anterior pituitary where four cleavage sites are used; adrenocorticotrophin, essential for normal steroidogenesis and the maintenance of normal adrenal weight, and lipotropin beta are the major end products. In other tissues, including the hypothalamus, placenta, and epithelium, all cleavage sites may be used, giving rise to peptides with roles in pain and energy homeostasis, melanocyte stimulation, and immune modulation. The