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# ACTH
**Mouse Monoclonal Antibody (Mab)**
**Catalog # APA249**

## Specification

### ACTH - Product Information

| | |
|---|---|
| Application | **IHC** |
| Primary Accession | P01189 |
| Host | **Mouse** |
| Clonality | **Monoclonal** |
| Calculated MW | **29424 Da** |

### ACTH - Additional Information

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|---|---|
| Gene ID | **5443** |
| Gene Name | **POMC** |

**Other Names**
Pro-opiomelanocortin, POMC, Corticotropin-lipotropin, NPP, Melanotropin gamma, Gamma-MSH, Potential peptide, Corticotropin, Adrenocorticotropic hormone, ACTH, Melanocyte-stimulating hormone alpha, Alpha-MSH, Melanotropin alpha, Corticotropin-like intermediary peptide, CLIP, Lipotropin beta, Beta-LPH, Lipotropin gamma, Gamma-LPH, Melanocyte-stimulating hormone beta, Beta-MSH, Melanotropin beta, Beta-endorphin, Met-enkephalin, POMC

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| Storage | **Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.** |
| Precautions | **ACTH is for research use only and not for use in diagnostic or therapeutic procedures.** |

### ACTH - Protein Information

**Name** POMC

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| Function | **[Corticotropin]: Stimulates the adrenal glands to release cortisol. [Melanocyte-stimulating hormone beta]: Increases the pigmentation of skin by increasing melanin production in melanocytes. [Met-enkephalin]: Endogenous opiate.** |
| Cellular Location | **Secreted {ECO:0000250\|UniProtKB:P01193}. Note=Melanocyte-stimulating hormone alpha and beta-endorphin are stored in separate granules in hypothalamic POMC neurons, suggesting that secretion may be under the control of different regulatory** |

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|---|---|
| Tissue Location | **mechanisms {ECO:0000250\|UniProtKB:P01193} ACTH and MSH are produced by the pituitary gland.** |

**ACTH - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**ACTH - Images**