

**ACTH**  
**Mouse Monoclonal antibody(Mab)**  
**Catalog # AD80249**

## Specification

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### ACTH - Product info

|                   |                        |
|-------------------|------------------------|
| Application       | <b>IHC-P</b>           |
| Primary Accession | <a href="#">P01189</a> |
| Reactivity        | <b>Human</b>           |
| Host              | <b>Mouse</b>           |
| Clonality         | <b>Monoclonal</b>      |
| Calculated MW     | <b>29424</b>           |

### ACTH - Additional info

|           |             |
|-----------|-------------|
| Gene ID   | <b>5443</b> |
| Gene Name | <b>POMC</b> |

#### 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

#### Dilution

IHC-P~~Ready-to-use

#### Storage

**This product is stored at 2-10 °C, please use it within the expiration date.**

#### Precautions

**ACTH Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

### ACTH - Protein Information

#### Name POMC

#### 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 mechanisms.

{ECO:0000250|UniProtKB:P01193}  
ACTH and MSH are produced by the pituitary gland

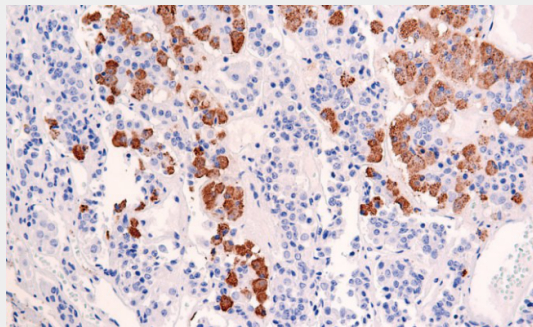
Tissue Location

### ACTH - Protocols

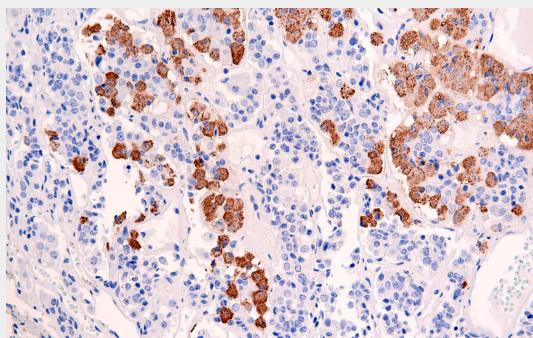
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### ACTH - Images



Hypophysis



Immunohistochemical analysis of paraffin-embedded human pituitary tissue using AD80249 performed on the Abcarta® FAIP-30 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (Ready-to-use) for 15 min at room temperature. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.