

**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**

Maintain refrigerated at 2-8°C

**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

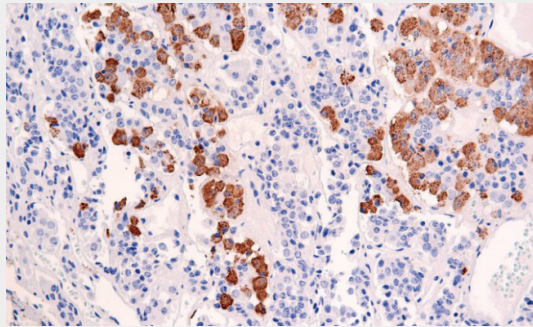
Tissue Location

### ACTH - Protocols

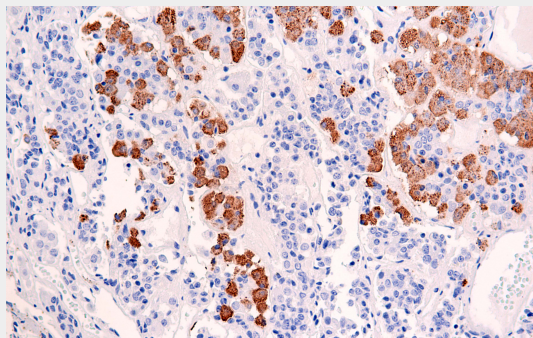
Provided below are standard protocols that you may find useful for product applications.

- [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.