

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

ACTH - Product info

Application	IHC-P
Primary Accession	P01189
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	29424

ACTH - Additional info

Gene ID	5443
Gene Name	POMC

Other Names

Pro-opiomelanocortin, POMC, Corticotropin-lipotropin, NPP, Melanotropin gamma, Gamma-MSH, Potential peptide, Corticotropin, Adrenocorticotrophic 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 ([HGNC:9201](#))

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.**
Secreted
{ECO:0000250|UniProtKB:P01193}.
Note=Melanocyte-stimulating hormone alpha and beta-endorphin are stored in

Cellular Location

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

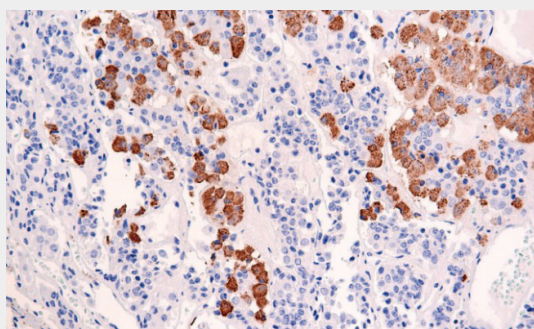
Tissue Location

ACTH - Protocols

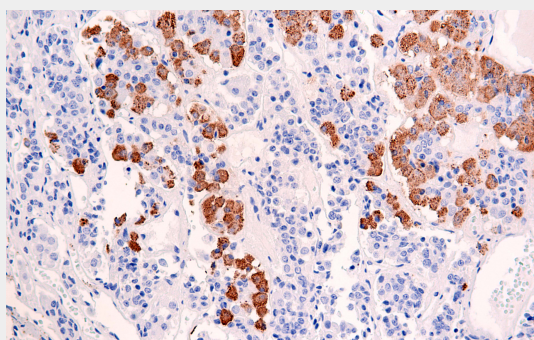
Provided below are standard protocols that you may find useful for product applications.

- [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.