

ACTH Antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AD80249

Product Information

Application	IHC
Primary Accession	P01189
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	132H5D1
Calculated MW	29424

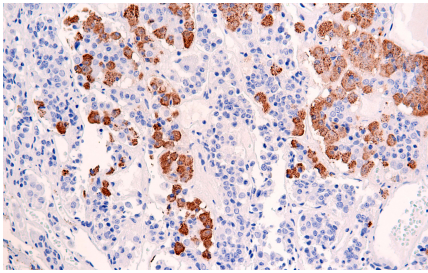
Additional Information

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~~Ready-to-use
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 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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}
Tissue Location	ACTH and MSH are produced by the pituitary gland.

Images



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:ADR005) was used as the secondary antibody.