

Mouse ACTH Monoclonal Antibody | anti-POMC antibody

ACTH

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62517	Mouse	Human, Mouse, Rat. Expected to show a broad species reactivity.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

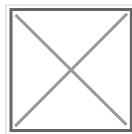
PRODUCT SYNONYMS

ACTH; Monoclonal Antibody; Adrenocorticotropin; alpha or beta or gamma Melanocyte Stimulating Hormone (MSH) or Melanotropin; beta-Endorphin; beta or gamma Lipotropin (LPH); CLIP; Met Enkephalin; POC; POMC; anti-POMC antibody

PRODUCT SPECIFICATIONS

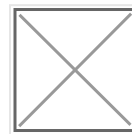
Host	Mouse
Reactivity	Human, Mouse, Rat. Expected to show a broad species reactivity.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	57
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	267
Applicable Applications for anti-POMC antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Positive Control	Normal pituitary gland or pituitary tumor
Human Chromosomal Location	2p23.3
Immunogen	N-terminal fragment of human ACTH conjugated to KLH
Cellular Localization	Cytoplasm and Secreted
Preparation and Storage	Store at 2 to 8 degree C. Antibody is stable for 24 months.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Pituitary Gland stained with ACTH Monoclonal Antibody (57).



SDS-PAGE

SDS-PAGE analysisPurified ACTH monoclonal Antibody (57).Confirmation of Integrity and Purity of Antibody

ADDITIONAL INFORMATION

References	1. Hsu DW et. al. American Journal of Pathology, 1991, 138(4):897-909.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505949
NCBI GeneID	5443
NCBI Accession #	NP_000930.1
NCBI GenBank Nucleotide #	NM_000939.2
UniProt Accession #	P01189; P78442; Q53T23; Q9UD39; Q9UD40
Molecular Weight	ACTH is ~5kDa; the POMC precursor is ~30kDa. Note: The molecular weight of POMC depends upon isoform variation and post-translational modifications.
NCBI Official Full Name	pro-opiomelanocortin preproprotein
NCBI Official Synonym Full Names	proopiomelanocortin
NCBI Official Symbol	POMC
NCBI Official Synonym Symbols	LPH; MSH; NPP; POC; ACTH; CLIP
NCBI Protein Information	pro-opiomelanocortin; beta-LPH; beta-MSH; alpha-MSH; gamma-LPH; gamma-MSH; beta-endorphin; met-enkephalin; lipotropin beta; lipotropin gamma; melanotropin beta; melanotropin alpha; melanotropin gamma; pro-ACTH-endorphin; adrenocorticotropin; corticotropin-lipotropin; adrenocorticotropic hormone; opiomelanocortin prepropeptide; proopiomelanocortin preproprotein; beta-melanocyte-stimulating hormone; alpha-melanocyte-stimulating hormone; corticotropin-like intermediary peptide
UniProt Protein Name	Pro-opiomelanocortin
UniProt Gene Name	POMC
UniProt Synonym Gene Names	POMC; ACTH; CLIP
UniProt Entry Name	COLI_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/acth-antibody-clone-57-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62517>