

Rabbit ACTH Polyclonal Antibody | anti-POMC antibody

Anti-ACTH Antibody

CATALOG # AAA45634	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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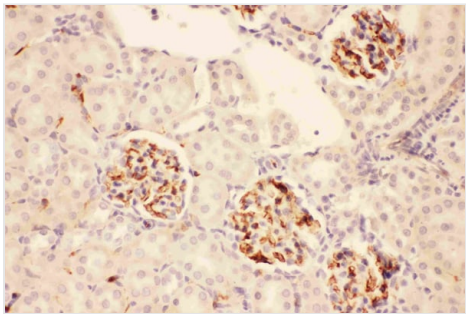
PRODUCT SYNONYMS

ACTH; Polyclonal Antibody; Anti-ACTH Antibody; Pro-opiomelanocortin; proopiomelanocortin; ACTH antibody; Adrenocorticotropic hormone antibody; Adrenocorticotropin antibody; Adrenocorticotropin Hormone antibody; Alpha Melanocyte Stimulating Hormone antibody; alpha-MSH antibody; alphaMSH antibody; Beta Endorphin antibody; Beta Lipotropin antibody; Beta LPH antibody; Beta Melanocyte Stimulating Hormone antibody; Beta-endorphin antibody; beta-MSH antibody; CLIP antibody; Corticotropin antibody; Corticotropin Like Intermediary Peptide antibody; Corticotropin lipotropin antibody; Corticotropin lipotropin precursor antibody; Corticotropin-like intermediary peptide antibody; Gamma LPH antibody; gamma-MSH antibody; Lipotropin Beta antibody; Lipotropin Gamma antibody; Lipotropin; included antibody; LPH antibody; Melanocyte-stimulating hormone; Melanotropin Alpha antibody; Melanotropin beta antibody; Melanotropin gamma antibody; Melanotropin; Met Enkephalin antibody; Met-enkephalin antibody; MSH antibody; NPP antibody; Opiomelanocortin prepropeptide antibody; POC antibody; POMC antibody; Pomc-1 antibody; Pomc1 antibody; Pomc2 antibody; Pro ACTH endorphin antibody; Pro opiomelanocortin antibody; Pro-opiomelanocortin-alpha antibody; Proopiomelanocortin antibody; Proopiomelanocortin preproprotein antibody; Tetracosactide antibody; anti-POMC antibody

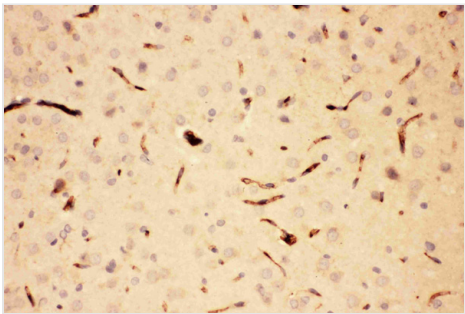
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	267
Applicable Applications for anti-POMC antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human ACTH (138-176aa SYSMEHFRWGKPVGKKRRPVKVYPNGAEDESAEAFPLEF), different from the related mouse and rat sequences by two amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

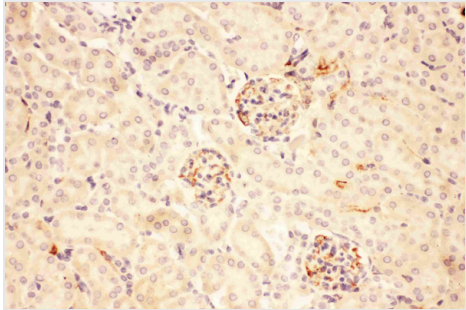
IMAGES



IHC (Immunohistochemisry)
Anti-ACTH Picoband antibody, AAA45634-3.JPGIHC(P): Rat Kidney Tissue



IHC (Immunohiostchemistry)
Anti-ACTH Picoband antibody, AAA45634-2.JPGIHC(P): Rat Brain Tissue



IHC (Immunohistochemistry)
Anti-ACTH Picoband antibody, AAA45634-1.JPGIHC(P): Mouse Kidney Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-POMC antibody	Description: Rabbit IgG polyclonal antibody for Pro-opiomelanocortin(POMC) detection. Tested with IHC-P in Human, Mouse, Rat.
	Background: Adrenocorticotrophic hormone (ACTH), also known as corticotropin, is a polypeptide tropic hormone produced and secreted by the anterior pituitary gland. It is an important component of the hypothalamic-pituitary-adrenal axis and is often produced in response to biological stress (along with its precursor corticotropin-releasing hormone from the hypothalamus). Its principal effects are increased production and release of corticosteroids. ACTH stimulates secretion of glucocorticoid steroid hormones from adrenal cortex cells, especially in the zona fasciculata of the adrenal glands. This gene can influence steroid hormone secretion by both rapid short-term mechanisms that take place within minutes and slower long-term actions. Besides, ACTH also enhances transcription of mitochondrial genes that encode for subunits of mitochondrial oxidative phosphorylation systems.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116880
NCBI GeneID	5443
UniProt Accession #	P01189; P78442; Q53T23; Q9UD39; Q9UD40
Molecular Weight	29,424 Da
NCBI Official Full Name	Pro-opiomelanocortin
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; adrenocorticotrophic 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/acth-antibody-immunohistochemistry-elisa/45634>