

Rabbit ACTH Polyclonal Antibody | anti-ACTH antibody

RABBIT ANTI HUMAN ACTH

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50025	Rabbit	Reacts with: Rat Based on sequence similarity, is expected to react with: Broad N.B. Antibody reactivity and working conditions may vary between species.	Immunohistochemistry, Immunofluorescence, ELISA, Immunohistochemistry

PRODUCT SYNONYMS

ACTH; Polyclonal Antibody; RABBIT ANTI HUMAN ACTH; ADRENOCORTICOTROPIC HORMONE; anti-ACTH antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reacts with: Rat Based on sequence similarity, is expected to react with: Broad N.B. Antibody reactivity and working conditions may vary between species.
Clonality	Polyclonal
Isotype	IgG
Specificity	ACTH
Form/Format	Purified Purified Ig - liquid
Concentration	Approximate Protein Concentration: 5.0 mg/ml (varies by lot)
Sequence	SYSMEHFRWG KPVGKKRRPV KVYP
Sequence Length	267
Applicable Applications for anti-ACTH antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA, IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Preparation	Purified Ig prepared by affinity chromatography on Protein G
Histology Positive Control Tissue	ACTH-containing cells of the anterior pituitary gland.
Buffer Solution	Phosphate buffered saline
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

ADDITIONAL INFORMATION

Related Product Information for anti- ACTH antibody	Rabbit anti Human ACTH antibody recognizes human adrenocorticotrophic hormone, also known as corticotrophin. ACTH is a 4.5kDa hormone derived from cleavage of pro-opiomelanocortin (POMC), produced in the pituitary gland in response to corticotrophin releasing hormone (CRH) activity and functions to stimulate release of adrenal cortisol. Rabbit anti Human ACTH polyclonal antibody is directed against the N-terminal portion of adrenocorticotrophic hormone and also recognizes the ACTH cleavage fragment alpha-melanocyte stimulating hormone (alpha-MSH), responsible for melanin pigmentation control in most vertebrate species (Fiordelisio et al. 2006). Rabbit anti Human ACTH does not recognize the C-terminal ACTH cleavage product, corticotropin-like intermediary peptide (CLIP).
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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	29,424 Da
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; adrenocorticotrophic hormone; adrenocorticotropin; alpha-MSH; alpha-melanocyte-stimulating hormone; beta-LPH; beta-MSH; beta-endorphin; beta-melanocyte-stimulating hormone; corticotropin-like intermediary peptide; corticotropin-lipotropin; gamma-LPH; gamma-MSH; lipotropin beta; lipotropin gamma; melanotropin alpha; melanotropin beta; melanotropin gamma; met-enkephalin; opiomelanocortin prepropeptide; pro-ACTH-endorphin; proopiomelanocortin preproprotein
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://www.aaabiotech.com/polyclonal/acth-antibody-immunohistochemistry-immunofluorescence-immunohistochemistry-elisa/50025>