



Anti-POMC polyclonal antibody (DPAB1912RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit anti-human adrenocorticotrophic hormone polyclonal antibody is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of s
Antigen Description	Adrenocorticotrophic hormone (ACTH), also known as "corticotropin", "Adrenocorticotrophic hormone", 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 corticotropin-releasing hormone from the hypothalamus). Its principal effects are increased production and release of corticosteroids and, as its name suggests, cortisol from the adrenal cortex.
Specificity	This antibody reacts with human ACTH and ACTH in a wide variety of mammalian species. Traces of contaminating antibodies have been removed by solid phase absorption.
Immunogen	Synthetic human ACTH 1-24.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IHC
Cellular Localization	Cytoplasmic
Positive Control	Pituitary
Format	Whole rabbit antiserum against human ACTH containing sodium azide as a preservative.
Preservative	None

Storage

Store at 2-8°C. Do not use beyond the expiration date stated on the label.

GENE INFORMATION

Gene Name	POMC proopiomelanocortin [Homo sapiens]
Synonyms	POMC; proopiomelanocortin; LPH; MSH; NPP; POC; ACTH; CLIP; 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; proopiomelanocortin preproprotein; beta-melanocyte-stimulating hormone; alpha-melanocyte-stimulating hormone; corticotropin-like intermediary peptide; Corticotropin-lipotropin; Pro-opiomelanocortin; Melanotropin gamma; Potential peptide; Corticotropin; Adrenocorticotrophic hormone; Melanotropin alpha; Alpha-MSH; Corticotropin-like intermediary peptide; Beta-LPH; Lipotropin beta; Lipotropin gamma; Gamma-LPH; Melanotropin beta; Beta-MSH; Beta-endorphin; Met-enkephalin
Entrez Gene ID	5443
Protein Refseq	NP_000930
UniProt ID	P01189
Chromosome Location	2p23.3
Pathway	Adipocytokine signaling pathway; Androgen biosynthesis; Biological oxidations; Class A/1 (Rhodopsin-like receptors); Cytochrome P450 - arranged by substrate type; Endogenous sterols; G alpha (i) signalling events; G alpha (s) signalling events; G-protein activation; GPCR downstream signaling; GPCR ligand binding; Glucocorticoid biosynthesis; Melanogenesis; Metabolism; Metabolism of amino acids and derivatives; Metabolism of steroid hormones and vitamins A and D
Function	G-protein coupled receptor binding; hormone activity; hormone activity; receptor binding; type 1 melanocortin receptor binding; type 3 melanocortin receptor binding; type 4 melanocortin receptor binding