



Anti-POMC polyclonal antibody (DPAB2387RH)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Adrenocorticotrophic Hormone
Antigen Description	ACTH occurs in cells of the anterior pituitary and in neurons in brain. It regulates the corticosteroid production in the adrenal cortex. Beta endorphin and Met enkephalin are endogenous opiates. MSH (melanocyte stimulating hormone) increases the pigmentation of skin by increasing melanin production in melanocytes.
Specificity	ACTH may occur in pituitary adenomas, medullary thyroid carcinomas, bronchial carcinoids, pancreatic islet cell tumors and gastric carcinoids. Antigen localization: cytoplasm.
Immunogen	Synthetic ACTH
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ICC, IHC, ELISA, WB, Suitable for frozen and paraffin sections
Positive Control	Pituitary gland
Format	Rabbit serum
Size	0.25 ml
Buffer	Dilute immediately before use with PBS or Trisbuffered saline
Preservative	None
Storage	At 2-8°C (undiluted) or in aliquots at -20°C

GENE INFORMATION

Gene Name	POMC proopiomelanocortin [Homo sapiens]
Official Symbol	POMC
Synonyms	POMC; proopiomelanocortin; LPH; MSH; NPP; POC; ACTH; CLIP; adrenocorticotrophic hormone; adrenocorticotropin; alpha-melanocyte stimulating hormone; beta-endorphin; beta-lipotropin; beta-melanocyte stimulating hormone; Pro-opiomelanocortin; Corticotropin-lipotropin; Melanotropin gamma; Gamma-MSH; Potential peptide; Corticotropin; Adrenocorticotrophic hormone; Melanotropin alpha; Alpha-MSH; Corticotropin-like intermediary peptide; Lipotropin beta; Beta-LPH; Lipotropin gamma; Gamma-LPH; Melanotropin beta; Beta-MSH; Beta-endorphin; Met-enkephalin; pro-opiomelanocortin; beta-LPH; beta-MSH; alpha-MSH; gamma-LPH; gamma-MSH; beta-endorphin; met-enkephalin; lipotropin beta; lipotropin gamma; melanotropin beta; OTTHUMP00000119991; OTTHUMP00000200964; OTTHUMP00000200965; OTTHUMP00000200966; melanotropin alpha; melanotropin gamma; pro-ACTH-endorphin; adrenocorticotropin; corticotropin-lipotropin; proopiomelanocortin preproprotein; corticotropin-like intermediary peptide
Entrez Gene ID	5443
Protein Refseq	NP_000930
UniProt ID	P01189
Chromosome Location	2p23.3
Pathway	Adipocytokine signaling pathway; Class A/1 (Rhodopsin-like receptors); G alpha (i) signalling events; G alpha (s) signalling events; G-protein activation; GPCR downstream signaling; GPCR ligand binding; Glucocorticoid receptor regulatory network; Melanogenesis; Metabolism of amino acids and derivatives; Opioid Signalling; Peptide hormone biosynthesis; Peptide ligand-binding receptors; Signaling by GPCR; Syndecan-3-mediated signaling events
Function	G-protein-coupled receptor binding; hormone activity; receptor binding; type 1 melanocortin receptor binding; type 3 melanocortin receptor binding; type 4 melanocortin receptor binding