

Datasheet for ABIN6294239
anti-POMC antibody (AA 1-24)



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Overview

Quantity:	100 µg
Target:	POMC
Binding Specificity:	AA 1-24
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This POMC antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Coating (Coat)

Product Details

Purpose:	Mouse anti-Human/Mouse/Rat ACTH Antibody [Sodium Azide Free]
Immunogen:	A synthetic peptide corresponding to aa 1-24 of human ACTH was used as the immunogen for this antibody.
Specificity:	Cytoplasmic
Purification:	A synthetic peptide corresponding to aa 1-24 of human ACTH was used as the immunogen for this antibody.

Target Details

Target:	POMC
Alternative Name:	Pro-opiomelanocortin , Beta-endorphin, Met-enkephalin] (POMC Products)

Target Details

Background:	Target Description: POMC (pro-opiomelanocortin or corticotropin-lipotropin) is a 267 amino acid polypeptide hormone precursor that goes through extensive, tissue-specific post-translational processing by convertases. POMC is cleaved into ten hormone chains named NPP, ACTH, alpha-MSH (Melanocyte Stimulating Hormone), beta-MSH, gamma-MSH, CLIP (corticotropin-like intermediary peptide), Lipotropin-beta, Lipotropin-gamma, beta-endorphin and Met-enkephalin. ACTH (also called Corticotropin) is a 39 amino acid active peptide produced by the anterior pituitary. This antibody is specific to Synacthen (aa 1-24 of ACTH) and does not react with CLIP (aa 17-39 of ACTH). ACTH is produced by cells of immune system (T-cells, B-cells, and macrophages) in response to stimuli associated with stress. ACTH antibody is a useful marker in classification of pituitary tumors and the study of pituitary disease. It reacts with ACTH-producing cells (corticotrophs). It also may react with other tumors (e.g. some small cell carcinomas of the lung) causing paraneoplastic syndromes by secreting ACTH. Gene Symbol: POMC
Gene ID:	5443
UniProt:	P01189
Pathways:	Metabolism of Steroid Hormones and Vitamin D , Peptide Hormone Metabolism , Hormone Activity , Feeding Behaviour

Application Details

Application Notes:	ELISA: order BSA-free format for coating FACS: 0.5-1 µg/million cells IF: 0.5-1 µg/mL IHC (FFPE): 0.5-1.0 µg/mL for 30 minutes at RT (1)
Restrictions:	For Research Use only

Handling

Buffer:	In 1X PBS (pH 7.4), BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	2-8°C. The azide-free format should be aliquoted and stored at -20°C or colder.