

Datasheet for ABIN3025418
anti-POMC antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	POMC
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This POMC antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	An N-terminal peptide from the ACTH region of human POMC was used as the immunogen for this POMC antibody.
Clone:	57
Isotype:	IgG1
Purification:	Protein G affinity chromatography

Target Details

Target:	POMC
Alternative Name:	POMC (POMC Products)

Target Details

Background: POMC (pro-opiomelanocortin or corticotropin-lipotropin) is a 267 amino acid polypeptide hormone precursor that goes through extensive, tissue-specific posttranslational 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.

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [Peptide Hormone Metabolism](#), [Hormone Activity](#), [Feeding Behaviour](#)

Application Details

Application Notes: The optimal dilution of the ACTH antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.\. Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 minutes at RT (1)

Restrictions: For Research Use only

Handling

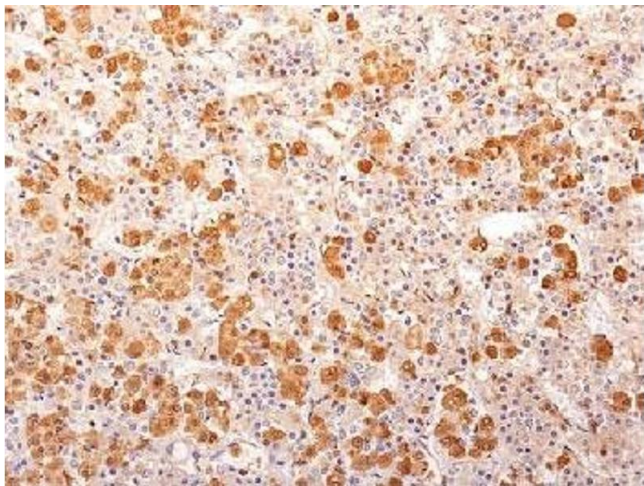
Concentration: 1 mg/mL

Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

Preservative: Azide free

Storage: 4 °C,-20 °C

Storage Comment: Store the POMC antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 1. Formalin-fixed, paraffin-embedded human pituitary gland stained with POMC antibody (57).