

CoraLite®594-conjugated POMC

Monoclonal antibody

Catalog Number: **CL594-66358**

Basic Information

Catalog Number: CL594-66358	GenBank Accession Number: BC065832	Purification Method: Protein G purification
Size: 2467 µg/ml	GeneID (NCBI): 5443	CloneNo.: 3C12C7
Source: Mouse	UNIPROT ID: P01189	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: proopiomelanocortin	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG17311	Calculated MW: 267 aa, 29 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human, rat, mouse	

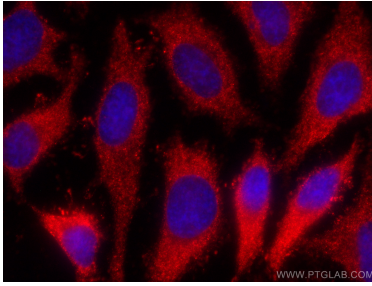
Background Information

Pro-opiomelanocortin (POMC) is a prohormone that encodes multiple smaller peptide hormones within its structure. POMC plays important roles in many pathological and physiological processes, including regulating energy metabolism, immune reactions, and sexual functions. POMC expression differs quantitatively and qualitatively among most normal tissues. The large molecule of POMC is the source of several important biologically active substances. POMC can be cleaved enzymatically into the following peptides: d NPP, γ -MSH, ACTH, α -MSH, CLIP, Lipotropin β , Lipotropin γ , β -MSH, β endorphin and Met-enkephalin.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite®594 POMC antibody (CL594-66358, Clone: 3C12C7) at dilution of 1:200.