

POMC antibody

Catalog No: #38547

Package Size: #38547-1 50ul #38547-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

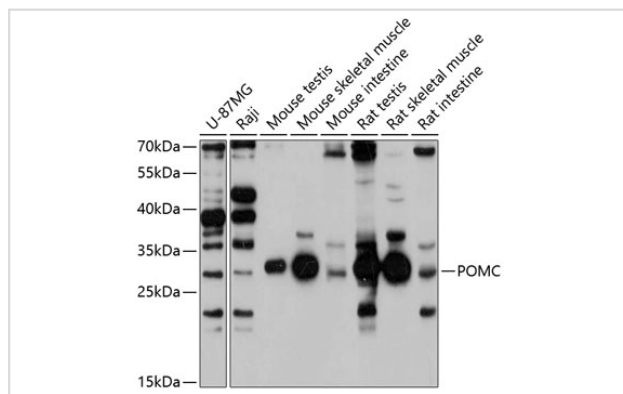
Description

Product Name	POMC antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total POMC protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human POMC.
Conjugates	Unconjugated
Target Name	POMC
Other Names	LPH; MSH; NPP; POC; ACTH; CLIP
Accession No.	Swiss-Prot#: P01189NCBI Gene ID: 5443
SDS-PAGE MW	29kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

WB 1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using POMC at 1:1000 dilution.

Background

This gene encodes a polypeptide hormone precursor that undergoes extensive, tissue-specific, post-translational processing via cleavage by

subtilisin-like enzymes known as prohormone convertases. There are eight potential cleavage sites within the polypeptide precursor and, depending on tissue type and the available convertases, processing may yield as many as ten biologically active peptides involved in diverse cellular functions. The encoded protein is synthesized mainly in corticotroph cells of the anterior pituitary where four cleavage sites are used; adrenocorticotrophin, essential for normal steroidogenesis and the maintenance of normal adrenal weight, and lipotropin beta are the major end products. In other tissues, including the hypothalamus, placenta, and epithelium, all cleavage sites may be used, giving rise to peptides with roles in pain and energy homeostasis, melanocyte stimulation, and immune modulation.

Published Papers

et al., Xiaoyaosan decoction regulates food intake and body weight via the leptin-leptin receptor-proopiomelanocortin pathway in rats with chronic immobilization stress. In J Tradit Chin Med on 2019 Feb by Wang X, Fang C, et al.. PMID:32186021, , (2019)

[PMID:32186021](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.