

POMC Polyclonal antibody

Catalog Number: 22040-1-AP

Basic Information

Catalog Number: 22040-1-AP	GenBank Accession Number: BC065832	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 5443	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P01189	
Isotype: IgG	Full Name: proopiomelanocortin	
Immunogen Catalog Number: AG13564	Calculated MW: 267 aa, 29 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse brain tissue, IHC : human pituitary tissue, human pituitary adenoma tissue
Species Specificity: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data