

For Research Use Only

# POMC

## Polyclonal ANTIBODY



Catalog Number: 22040-1-AP

### Basic Information

<b>Catalog Number:</b> 22040-1-AP	<b>GenBank Accession Number:</b> BC065832	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 400 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5443	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> proopiomelanocortin	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 267 aa, 29 kDa	
<b>Immunogen Catalog Number:</b> AG13564		

### Applications

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

### 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,  $\gamma$ -MSH, ACTH,  $\alpha$ -MSH, CLIP, Lipotropin  $\beta$ , Lipotropin  $\gamma$ ,  $\beta$ -MSH,  $\beta$  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

For technical support and original validation data for this product please contact:  
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## Selected Validation Data