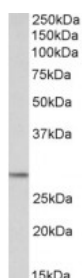


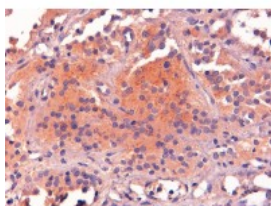


## POMC Antibody

CATALOG NUMBER: 46-208



Western Blot (0.1ug/ml) staining of lysates of cell line NIH3T3 (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (2ug/ml) staining of paraffin embedded Human Pituitary Gland. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.

### Specifications

#### SPECIES REACTIVITY:

#### TESTED APPLICATIONS:

<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:128000. Western Blot: Approx 29kDa band observed in lysates of cell line NIH3T3 (calculated MW of 29.4kDa according to NP_000930.1 and NP_001030333.1). Recommended concentration: 0.1-0.3ug/ml. Immunohistochemistry: In paraffin embedded Human Anterior Pituitary Gland shows vesilulate staining in glandular cells. Recommended concentration, 2-4ug/ml.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1282 - 3T3 (NIH) Cell Lysate
<b>SPECIFICITY:</b>	Both transcript variants encode the same protein. In Western blot, this product appears to react with the full length precursor protein only.
<b>IMMUNOGEN:</b>	POMC antibody was raised against a 12 amino acid synthetic peptide near the C-Terminus of POMC.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	POMC antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	POMC antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	POMC, proopiomelanocortin, Precursor of MSH, POC, ACTH, CLIP, adrenocorticotropin/ beta-lipotropin/ alpha-melanocyte stimulating hormone/ beta-melanocyte stimulating hormone/ beta-endorphin, LPH, MSH, NPP
<b>ACCESSION NO.:</b>	NP_000930.1, NP_001030333.1

**PROTEIN GI NO.:** 4505949

**OFFICIAL SYMBOL:** POMC

**GENE ID:** 5443

### Background

**REFERENCES:** 1) Muhlhausler BS, Adam CL, Marrocco E, Findlay PA, Roberts CT, McFarlane JR, Kauter KG, McMillen IC. Impact of glucose infusion on the structural and functional characteristics of adipose tissue and on hypothalamic gene expression for appetite regulatory neuropeptides in the sheep fetus during late gestation. J Physiol. 2005 Jan 20;

**FOR RESEARCH USE ONLY**

December 13, 2016