



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06727 - Goat Anti-Proopiomelanocortin / POMC Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** POMC, proopiomelanocortin, Precursor of MSH, POC, ACTH, CLIP, adrenocorticotropin/ beta-lipotropin/ alpha-melanocyte stimulating hormone/ beta-melanocyte stimulating hormone/ beta-endorphin, LPH, NPP, OTTHUMP00000119991, OTTHUMP00000200964, adrenocorticotropic hormone, adrenocorticotropin, alpha-melanocyte-stimulating hormone, beta-LPH, beta-MSH, beta-melanocyte-stimulating hormone, corticotropin-like intermediary peptide, gamma-LPH, gamma-MSH, lipotropin beta, lipotropin gamma, melanotropin alpha, melanotropin beta, melanotropin gamma, met-enkephalin, pro-ACTH-endorphin, proopiomelanocortin preproprotein

**Official Symbol:** POMC

**Accession Number(s):** NP\_000930.1; NP\_001030333.1

**Human GenelD(s):** [5443](#)

### Immunogen

Peptide with sequence C-NAIIKNAYKKGE, from the C Terminus of the protein sequence according to NP\_000930.1; NP\_001030333.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:128000.

**Western blot:** Preliminary testing showed a band at approx 30kDa in A431 cell lysate after 1µg/ml antibody staining (calculated MW of 29.4kDa according to NP\_000930.1). Primary incubation 1 hour at room temperature.

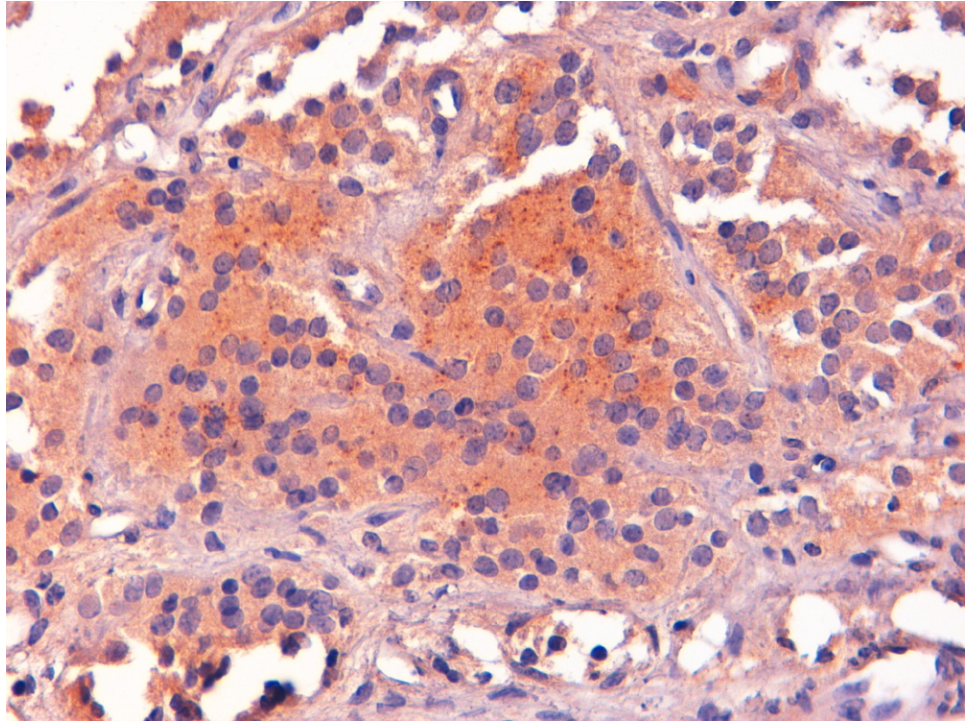
**IHC:** In paraffin embedded Human Anterior Pituitary Gland shows vesiculate staining in glandular cells. Recommended concentration: 2-4µg/ml.

**Flow Cytometry:** Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

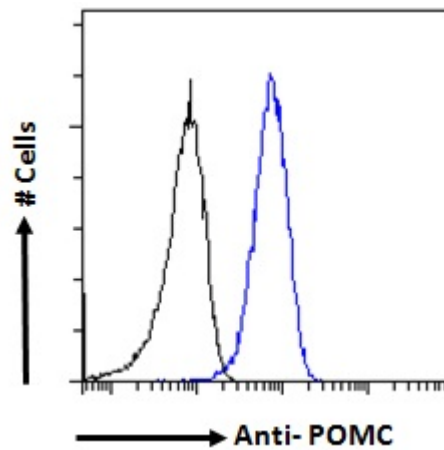
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB06727 (2 $\mu$ g/ml) staining of paraffin embedded Human Pituitary Gland. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.



EB06727 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.