

## Goat anti-Proopiomelanocortin / POMC Antibody

<b>Item Number</b>	dAP-0645
<b>Target Molecule</b>	Principle Name: Proopiomelanocortin / POMC; Official Symbol: POMC; All Names and Symbols: POMC; proopiomelanocortin; Precursor of MSH, POC, ACTH, CLIP, adrenocorticotropin/ beta-lipotropin/ alpha-melanocyte stimulating hormone/ beta-melanocyte stimulating; hormone/ beta-endorphin; LPH; NPP; OT-THUMP00000119991; OTTHUMP00000200964; adrenocortic; Accession Number (s): NP_000930.1; NP_001030333.1; Human Gene ID(s): 5443; Non-Human GeneID(s):
<b>Immunogen</b>	NAIIKNAYKKGE, is from C Terminus Both transcript variants encode the same protein. In Western blot, this product appears to react with the full length precursor protein only.
<b>Applications</b>	Pep ELISA, WB, IHC  Species Tested: Human, Mouse
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	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: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Anterior Pituitary Gland shows vesilulate staining in glandular cells. Recommended concentration: 2-4µg/ml.

<b>Reference</b>	Reference(s): 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
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Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**