

## Product datasheet for **TA364371**

### ACTH (POMC) Guinea Pig Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against Vasoactive intestinal peptide. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide H-Tyr-Gly-Gly-Phe-Met-Thr-Ser-Glu-Lys-Ser-Gln-Thr- Pro-Leu-Val-Thr-Leu-Phe-Lys-Asn-Ala-Ile-Ile-Lys-Asn-Ala-Tyr-Lys-Lys- Gly-Glu-OH coupled to carrier protein.
Formulation:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Gene Name:	proopiomelanocortin
Database Link:	<a href="#">Entrez Gene 5443 Human P01189</a>
Background:	$\beta$ -Endorphin is a 31 amino acid endogenous opioid neuropeptide that is produced in certain neurons within the central nervous system and peripheral nervous system. It is known to be one of the three endorphins that are produced in humans, together with $\alpha$ -Endorphin and $\gamma$ -Endorphin, and it is primarily utilized in the body to reduce stress and maintain homeostasis. $\beta$ -Endorphin arises from the cleavage of Pro- opiomelanocortin (POMC), residues 237-267. This antibody was generated by immunization of guinea pigs with $\beta$ -Endorphin coupled to a carrier protein.



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**Synonyms:**

ACTH; adrenocorticotropin; alpha-MSH; beta-endorphin; beta-LPH; beta-MSH; CLIP; Corticotropin-lipotropin; gamma-LPH; gamma-MSH; LPH; met-enkephalin; MSH; NPP; OTTHUMP00000119991; OTTHUMP00000200964; POC; pro-ACTH-endorphin; proopiomelanocortin