

Product datasheet for **TA364273**

g3-MSH Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against γ 3-MSH. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human, Mammalian
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide H-Tyr-Val-Met-Gly-His-Phe-Arg-Trp-Asp-Arg-Phe-Gly- Arg-Arg-Asn-Gly-Ser-Ser-Ser-Ser-Gly-Val-Gly-Gly-Ala-Ala-Gln-OH coupled to carrier protein.
Formulation:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 μ l 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.
Background:	Melanocortin (MC) 3-MSH (Melanocyte-Stimulating Hormone) is believed to signal through the MC 3 receptor. It induces a sustained increase in intracellular free calcium levels ([Ca ²⁺]) in a subpopulation of pituitary cells. Most of the cells responding to 3-MSH express more than one pituitary hormone mRNA. The effect of 3-MSH is blocked by SHU9119, a MC3R and MC4R antagonist, in only 50% of the responsive cells, suggesting that in half of these cells the mediating receptor is not the MC3R. Low picomolar doses of 3-MSH increase [Ca ²⁺] in the growth hormone (GH)- and prolactin (PRL)-secreting GH3 cell line. This antibody was generated by immunization of rabbits with γ 3-MSH coupled to a carrier protein.



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