



BMA BIOMEDICALS



Peninsula Laboratories

T-4434

Rabbit anti α -Melanocyte Stimulating Hormone (α -MSH)

Alpha-Melanocyte Stimulating Hormone (α -MSH) belongs to a group of peptide hormones also known as melanotropins. α -MSH is a neuropeptide derived from proopiomelanocortin (POMC) which is expressed in the pituitary gland and belongs to the melanocortin family. It is well known in stimulating melanin synthesis (melanogenesis) as well as in feeding behavior and energy homeostasis. Recently, it has been found that α -MSH affects immune reactions in the host for controlling inflammation in the brain and peripheral organs.

This antibody was generated by immunization of rabbits with α -MSH coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A18PO23070
Host species:	Rabbit IgG
Quantity:	50 μ l
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by gently adding 50 μ l distilled water. This will give the equivalent of undiluted antiserum.
Stability:	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.
Applications:	This antibody has been tested and validated in immunohistochemistry (IHC). Other applications like ELISA, FACS or Western Blot may work as well. Please see www.bma.ch for protocols and general information. Approximate working dilution for IHC: Paraffin sections: (1:800) after proteinase K pretreatment. Optimal dilutions should be determined by the end user.
Immunogen:	Synthetic peptide Ac-Ser-Tyr-Ser-Nle-Glu-His-D-Phe-Arg-Trp-Gly-Lys-Pro-Val-NH ₂ coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
α -MSH	100
[Nle ⁴ , D-Phe ⁷]- α -MSH	67
α -MSH (salmon)	0.02
ACTH (1-39) (human)	0.02
ACTH (1-39) (rat)	1.25
β -MSH (human)	0
γ^3 -MSH	0
β -Endorphin (human)	0
γ -Endorphin	0
Met-Enkephalin	0

Related Products: T-4432: anti α -MSH, diluted rabbit antiserum
T-4433: anti α -MSH, purified IgG
T-4437: anti β -MSH, purified rabbit antiserum
T-4438: anti β -MSH, neat rabbit antiserum
T-4441: anti γ_2 -MSH, purified rabbit antiserum
T-4442: anti γ_2 -MSH, neat rabbit antiserum

This product contains no preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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