



BMA BIOMEDICALS



Peninsula Laboratories

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 for 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

Catalog Number:	T-4434 (Lot A18PO23070)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human
Quantity:	50 μ l
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 μ l distilled water. This will give the equivalent of undiluted antiserum.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide Ac-Ser-Tyr-Ser-Nle-Glu-His-D-Phe-Arg-Trp-Gly-Lys-Pro-Val-NH ₂ coupled to carrier protein.
Protein database:	n/a

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

Cross-Reactivity:

PEPTIDE:	%:
γ^3 -MSH	0
β -Endorphin (human)	0
γ -Endorphin	0
Met-Enkephalin	0

Applications:

Tested in immunohistochemistry (IHC) and ELISA against α -MSH. Other applications like FACS or Western Blot may work as well.

Optimal dilutions should be determined by the end user.

Please see **bma.ch** for protocols and general information.

Approximate working dilution for IHC:

Frozen sections: not tested yet.

Paraffin sections: 1:500; recommended Proteinase K pre-treatment.

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. Not for diagnostic or therapeutic applications.