



BMA BIOMEDICALS



Peninsula Laboratories

T-4440

Rabbit anti γ_2 Melanocyte Stimulating Hormone (γ_2 -MSH)

γ -Melanocyte Stimulating Hormone is an endogenous neuropeptide hormone. It belongs to the group of peptides called melanocortins and derived from the cleavage of the precursor polypeptide Pro-opiomelanocortin (POMC) in the pituitary gland. γ -Melanocyte Stimulating Hormone is known to be an agonist of the melanocortin receptors (MCRs) and exists in three forms, γ_1 -MSH, γ_2 -MSH, and γ_3 -MSH.

This antibody was generated by immunization of rabbits with γ_2 -MSH coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	A14480
Host species:	Rabbit IgG
Quantity:	50ml
Format:	This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Store at 4° - 8°C. This should ensure antibody stability for approximately one month.
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 ELISA against γ_2 -MSH. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-Try-Val-Met-Gly-His-Phe-Arg-Trp-Asp-Arg-Phe-Gly-NH ₂ coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
γ_2 -MSH	100
γ_3 -MSH	.5
γ_1 -MSH	0.03
α -MSH	0
β -MSH (human)	0
β -Endorphin (human)	0
ACTH (1-39) (human)	0
Met-Enkephalin	0

This product contains Thimerosal as a 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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diluted antiserum

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