NEUROMICS

alpha-MSH (Melanocyte-stimulating hormone) Data Sheet

Catalog Number:	RA20074	**Host:**	Rabbit
Product Type:	Whole Serum	**Species Reactivity:**	Rat, Mouse, Guinea Pig
Immunogen Sequence:	Synthetic (human) a-MSH coupled to bovine thyroglobulin with glutaraldehyde.	**Format:**	Lyophilized. 100 ul with <0.09% sodium azide as a preservative.

Applications: Immunohistochemistry: 1:100-1:200 (indirect immunofluorescence)
1:4,000-1:6,000 (in PBS/0.3% Triton X-100 using Bn/Av-HRP technique)

It is recommended that the researcher perform a primary antibody dilution series using our dilution recommendations as a guideline. Note that a change in the fixation or buffering system as used in our protocol may change the configuration of the protein, and therefore, may alter the reactivity with the tissue tested.

Reconstitution: Do not reconstitute until ready to use since the product is most stable when lyophilized. The product does not need to be kept cooled during shipping. For long-term storage, store lyophilized antibody until ready to use at -15º C or lower. Reconstitute with 100 µL of distilled or deionized water. If desired, dilute with PBS or Tris buffer at a dilution no higher than 1/10

Storage: After reconstitution, use immediately or refrigerate at 2º-8º C up to 2 days. For long-term storage, appropriately aliquot antibody to avoid repeated freeze/thaw cycles and freeze at -15° C or lower

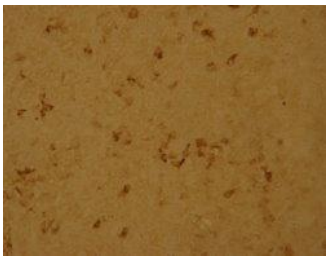
Application Notes

Tissue Preparation:
10 µm cryostat or 50 µm vibratome.

- Fixation: 4% paraformaldehyde in 0.1M Phosphate buffer, pH 7.4; 500 mL over ~ 20 min.
- Post Fixation: 1.5 hour at 4° C in 4% paraformaldehyde in 0.1M phosphate buffer, pH 7.4.
- Note: If needed, low levels of glutaraldehyde (0.1-0.3%) may be used in conjugation with paraformaldehyde

Immunohistochemistry
The Melanocyte Stimulating Hormone antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates significant labeling of rat pituitary using indirect immunofluorescent and biotin/avidin-HRP techniques. Staining is completely eliminated by pretreatment of the diluted antibody with 100 ug/mL of α-MSH.

Image: α-MSH staining of rat pituitary gland tissue.



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