



RABBIT MELANOCORTIN RECEPTOR-1 AFFINITY PURIFIED POLYCLONAL ANTIBODY

CATALOG NUMBER:	AB5126
LOT NUMBER:	
QUANTITY:	50 µg
CONCENTRATION:	1.0 mg/mL
SPECIFICITY:	Melanocyte Stimulating Hormone Receptor (MSH-R), also called Melanotropin Receptor, or Melanocortin-1 Receptor (MC1-R), is a 315 aa transmembrane protein belonging to the family 1 of G-Protein coupled receptors. It is a receptor for MSH (a, b, g) and ACTH. Its activity is mediated by G-proteins that activate adenylate cyclase. It is found in Melanocytes and corticoadrenal tissue as well as various tissues like adrenal gland, leukocytes, lung, lymph node, ovary, testis, pituitary, placenta, spleen and uterus.
IMMUNOGEN:	A 21 amino acid peptide from the 3 rd cytoplasmic domain of mouse MC1-R.
APPLICATIONS:	Western blot: 1-10 µg/mL using Chemiluminescence technique Immunohistochemistry: Not tested. We recommend the use of the affinity purified antibody at 2-20 µg/mL. ELISA: 1:10,000 - 100,000 using 50-100 ng of control peptide per well. Optimal working dilutions must be determined by end user.
SPECIES REACTIVITIES:	Mouse. Reactivity with other species has not been confirmed. The immunogen sequence shows 70% homology with human, 66% with bovine, sheep and horse, and 60% with canine.
FORMAT:	Affinity purified immunoglobulin.
PRESENTATION:	Liquid in PBS containing 0.1% BSA.
STORAGE/HANDLING:	Maintain frozen at -20°C in undiluted aliquots for up to 6 months after date of receipt Avoid repeated freeze/thaw cycles.
RELATED REFERENCES:	1. Mountjoy, KG. et al. (1992) <i>Science</i> . 257 :1248; Gantz, I. et al. (1993) <i>JBC</i> . 268 :8246; Chajlani, V. et al. (1992) <i>FEBS Lett</i> . 309 :417; Koppula, SV. (1997) <i>Hum. Mut.</i> 9 :30; Frandberg, PA et al. (1994) <i>BBRC</i> . 202 :1266.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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