

Product Information

Anti-Melanocortin 4 Receptor

produced in rabbit, affinity Isolated antibody

Catalog Number **M9318**

Synonym: Anti-MC4R

Product Description

Anti-Melanocortin 4 Receptor (MC4R) is produced in rabbit using as immunogen a synthetic peptide conjugated to KLH. The peptide corresponds to the N-terminal extracellular domain of human Melanocortin 4 Receptor (MC4R). The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-Melanocortin 4 Receptor specifically recognizes human melanocortin 4 receptor by immunocytochemistry and immunohistochemistry (formalin-fixed, paraffin-embedded tissues). Not tested for other uses. The immunizing peptide has 94% homology with the rat and mouse gene. Other species reactivity has not been confirmed.

Expression of melanocortin 4 receptor has been reported in brain. Unlike the other melanocortin receptors, MC4R is not expressed in adrenal cortex or melanocytes.

Reagent

Supplied as a solution of 1 mg/ml in phosphate buffered saline, pH 7.7, containing 0.01% sodium azide as a preservative.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to one month. For extended storage, freeze in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

Product Profile

Immunohistochemistry and Immunocytochemistry:

a minimum working concentration of 4 µg/ml is determined using human brain, caudate.

Note: In order to obtain the best results and assay sensitivity in different techniques and preparations, we recommend determining optimal working dilutions by titration test.

This product manufactured by MBL International.

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