

Rabbit Melanocortin receptor 4 Polyclonal Antibody | anti-MC4R antibody

Anti-Mouse Melanocortin receptor 4, Affinity Purified, (Polyclonal), (Rabbit IgG)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA74283	Rabbit	Mouse, Rat, Human	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

Melanocortin receptor 4; Polyclonal Antibody; Anti-Mouse Melanocortin receptor 4; Affinity Purified; (Polyclonal); (Rabbit IgG); anti-MC4R antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody is specific for mouse, rat, and human MC4R.
Form/Format	Affinity Purified
Sequence Length	332
Applicable Applications for anti-MC4R antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Presentation	100 ug or 20 ug purified IgG buffered in PBS and 0.02% NaN ₃ • (Purified from serum via Affinity Chromatography). For maximum recovery of contents, spin down tube before use.
Immunogen	15 amino acid synthetic peptide located within the 1st extracellular domain of mouse MC4R.
Preparation and Storage	Store at + 4°C. For long term storage, aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

2ug/ml staining of Human Cerebellum (A) and Rat Brain (B) lysates (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-MC4R antibody

Melanocortin 4 receptor is a G-protein-coupled receptor from the melanocortin receptor family that binds amelanocyte stimulating hormone α -MSH. These receptors transduce signals provided by α -MSH by coupling to the G-protein and activating adenyl ate cyclase. MC4R is located mainly in the hypothalamus in the brain and it is responsible for appetite and satiety regulation. It also plays a role in energy homeostasis and somatic growth. Mutations in MC4R have been associated with inherited obesity².

NCBI AND UNIPROT INFORMATION

NCBI GI #	119508433
NCBI GeneID	4160
NCBI Accession #	NP_005903.2
NCBI GenBank Nucleotide #	NM_005912.2
Molecular Weight	36,943 Da
NCBI Official Full Name	melanocortin receptor 4
NCBI Official Synonym Full Names	melanocortin 4 receptor
NCBI Official Symbol	MC4R
NCBI Protein Information	melanocortin receptor 4
UniProt Protein Name	Melanocortin receptor 4
UniProt Gene Name	MC4R
UniProt Synonym Gene Names	MC4-R
UniProt Entry Name	MC4R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/melanocortin-receptor-4-antibody-immunohistochemistry-western-blot-elisa/74283>