

Rabbit MC4R Polyclonal Antibody | anti-MC4R antibody

MC4R Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39356	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

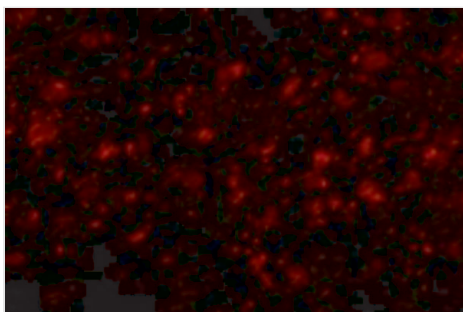
PRODUCT SYNONYMS

MC4R; Polyclonal Antibody; MC4R Antibody; Melanocortin receptor 4; MC4-R; melanocortin 4 receptor; anti-MC4R antibody

PRODUCT SPECIFICATIONS

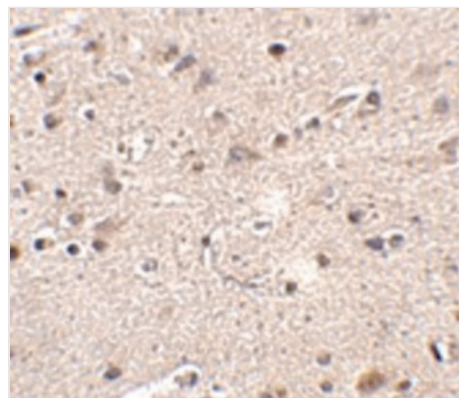
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	MC4R Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	332
Applicable Applications for anti-MC4R antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MC4R antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human MC4R.
Buffer	MC4R Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MC4R antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



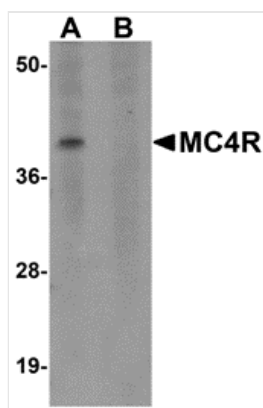
IF (Immunofluorescence)

Immunofluorescence of MC4R in Human Brain cells with MC4R antibody at 20 µg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of MC4R in human brain tissue with MC4R antibody at 2.5 µg/mL.



WB (Western Blot)

Western blot analysis of MC4R in rat brain tissue lysate with MC4R antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MC4R antibody

MC4R Antibody: The melanocortin-4 receptor (MC4R) is a member of the superfamily of seven transmembrane G-protein coupled receptors that are involved in multiple signal transduction pathways including the cAMP and MAPK signaling pathways. It is thought that the melanocortin system modulates energy expenditure and insulin sensitivity; activation of the MC4R results in the inhibition of c-Jun N-terminal kinase (JNK) activity and promotes insulin signaling. MC4R-null mice display maturity onset obesity characterized by hyperphagia, increased adiposity, hyperinsulinaemia and hyperleptinaemia, suggesting that like other obesity-linked genes such as FTO, PTER, and NPC1, MC4R is a potential candidate target for the treatment of obesity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119508433
NCBI GeneID	4160
NCBI Accession #	NP_005903
NCBI GenBank Nucleotide #	NM_005912.2
UniProt Accession #	P32245; Q16317; Q3MIJ6; B2RAC3
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; MC4-R
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/mc4r-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39356>