

Rabbit MC4R / Melanocortin 4 Receptor Polyclonal Antibody | anti-MC4R antibody

Rabbit Polyclonal to Human MC4R / Melanocortin 4 Receptor

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51639	Rabbit	Gibbon, Chimpanzee, Gorilla, Horse, Human, Monkey, Orangutan Guinea pig (at least 90% immunogen sequence identity)	Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

MC4R / Melanocortin 4 Receptor; Polyclonal Antibody; Rabbit Polyclonal to Human MC4R / Melanocortin 4 Receptor; Anti-MC4R / Melanocortin 4 Receptor Antibody (N-Terminus) IHC-plus; MC4R; Melanocortin receptor 4; MC4-R; MC4; MC4 receptor; Melanocortin 4 receptor; Human MC4R; Melanocortin 4 Receptor; anti-MC4R antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gibbon, Chimpanzee, Gorilla, Horse, Human, Monkey, Orangutan Predicted Reactivity: Guinea pig (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human MC4 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	332
Applicable Applications for anti-MC4R antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 17 amino acid peptide from N-terminal extracellular domain of human MC4 Receptor. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Baboon, Monkey, Marmoset, Tamarin, Horse (100%).
Immunogen Type	Synthetic peptide
Immunogen	MC4R / Melanocortin 4 Receptor antibody was raised against synthetic 17 amino acid peptide from N-terminal extracellular domain of human MC4 Receptor. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Baboon, Monkey, Marmoset, Tamarin, Horse (100%); Panda, Guinea pig (94%); Mouse, Rat, Elephant, Pig (88%); Bat, Dog, Hamster (82%).
Antigen Modification	N-Terminus
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



Transfection Control
Anti-MC4 Receptor antibody immunocytochemistry (ICC) staining of untransfected HEK293 human embryonic kidney cells.



Transfection
Anti-MC4 Receptor antibody immunocytochemistry (ICC) staining of HEK293 human embryonic kidney cells transfected with MC4 Receptor.



IHC (Immunohistochemistry)
Anti-MC4 Receptor antibody IHC of human brain. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-MC4R antibody	Melanocortin 4 receptor (MC4R), a Melanocortin Receptor, has been shown to affect food intake and energy balance. Recently MC4R has been shown to modulate erectile function and sexual behavior (Van Der Ploeg et al. 2002).
Product Categories/Family for anti-MC4R antibody	Family: GPCR; Subfamily: Melanocortin

NCBI AND UNIPROT INFORMATION

NCBI GI #	119508433
NCBI GeneID	4160
NCBI Accession #	NP_005903.2
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.