

Rabbit CHRM2 / M2 Polyclonal Antibody | anti-CHRM2 antibody

Rabbit Polyclonal to Human CHRM2 / M2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52216	Rabbit	Gibbon, Bovine, Chimpanzee, Gorilla, Human, Monkey, Orangutan, Rabbit, Sheep Predicted Reactivity: Mouse, Rat, Bat, Dog, Guinea pig, Hamster, Horse, Pig (at least 90% immunogen sequence identity)	Immunohistochemistry

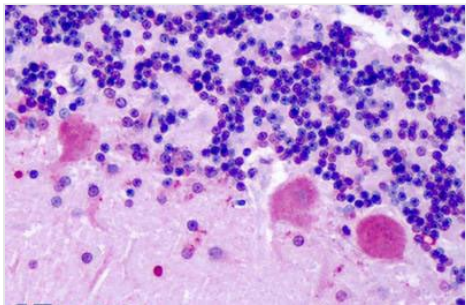
PRODUCT SYNONYMS

CHRM2 / M2; Polyclonal Antibody; Rabbit Polyclonal to Human CHRM2 / M2; Anti-CHRM2 / M2 Antibody (Cytoplasmic Domain) IHC-plus; CHRM2; 7TM receptor; HM2; M2 muscarinic receptor; M2-mAChR; Muscarinic receptor M2; Muscarinic M2 receptor; Human CHRM2; M2; anti-CHRM2 antibody

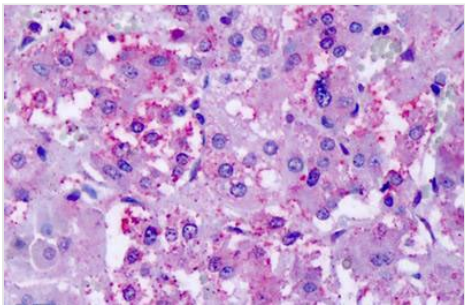
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gibbon, Bovine, Chimpanzee, Gorilla, Human, Monkey, Orangutan, Rabbit, Sheep Predicted Reactivity: Mouse, Rat, Bat, Dog, Guinea pig, Hamster, Horse, Pig (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human CHRM2. 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	466
Applicable Applications for anti-CHRM2 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 20 amino acid peptide from 3rd cytoplasmic domain of human CHRM2. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Marmoset, Sheep, Bovine, Elephant, Panda, Rabbit, Platypus (100%).
Immunogen Type	Synthetic peptide
Immunogen	CHRM2 / M2 antibody was raised against synthetic 20 amino acid peptide from 3rd cytoplasmic domain of human CHRM2. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Marmoset, Sheep, Bovine, Elephant, Panda, Rabbit, Platypus (100%); Mouse, Rat, Bat, Dog, Hamster, Horse, Pig, Opossum, Guinea pig (95%); Turkey, Chicken (80%).
Antigen Modification	Cytoplasmic Domain
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-CHRM2 antibody IHC of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 10 ug/ml.



IHC (Immunohistochemistry)
Anti-CHRM2 antibody IHC of human adrenal. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-CHRM2 antibody	Muscarinic cholinergic receptor 2, an Acetylcholine Receptor, has been suggested to function as a presynaptic autoreceptor that inhibits acetylcholine release. The M2 receptor has also been suggested to mediate smooth muscle contractility. Alzheimer's disease (AD) involves selective loss of M2 subtype receptors in cortical and hippocampal regions of the human brain. Increase in M2 receptor heterozygosity has been associated with depression in women.
Product Categories/Family for anti-CHRM2 antibody	Family: GPCR; Subfamily: Acetylcholine

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502817
NCBI GeneID	1129
NCBI Accession #	NP_000730.1
NCBI GenBank Nucleotide #	NM_000739.2
UniProt Accession #	P08172; Q4VBK6; Q9P1X9
Molecular Weight	51,715 Da
NCBI Official Full Name	muscarinic acetylcholine receptor M2
NCBI Official Synonym Full Names	cholinergic receptor, muscarinic 2
NCBI Official Symbol	CHRM2
NCBI Official Synonym Symbols	HM2
NCBI Protein Information	muscarinic acetylcholine receptor M2; 7TM receptor; muscarinic M2 receptor; acetylcholine receptor, muscarinic 2; cholinergic receptor, muscarinic 2, isoform a
UniProt Protein Name	Muscarinic acetylcholine receptor M2
UniProt Gene Name	CHRM2
UniProt Entry Name	ACM2_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.