

Rabbit CHRM4 / M4 Polyclonal Antibody | anti-CHRM4 antibody

Rabbit Polyclonal to Human CHRM4 / M4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51108	Rabbit	Bovine, Guinea pig, Gorilla, Hamster, Horse, Human, Mouse, Pig, Rat Predicted Reactivity: Bat, Dog (at least 90% immunogen sequence identity)	Immunohistochemistry

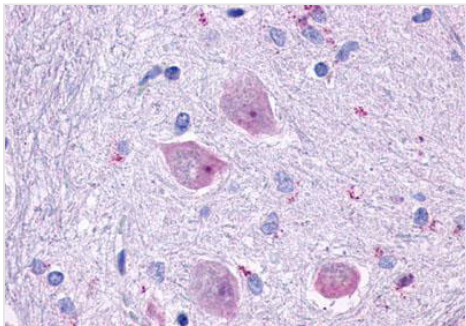
PRODUCT SYNONYMS

CHRM4 / M4; Polyclonal Antibody; Rabbit Polyclonal to Human CHRM4 / M4; Anti-CHRM4 / M4 Antibody (Cytoplasmic Domain) IHC-plus; CHRM4; M4 muscarinic receptor; M4R; Muscarinic m4 receptor; HM4; Muscarinic receptor m4; Human CHRM4; M4; anti-CHRM4 antibody

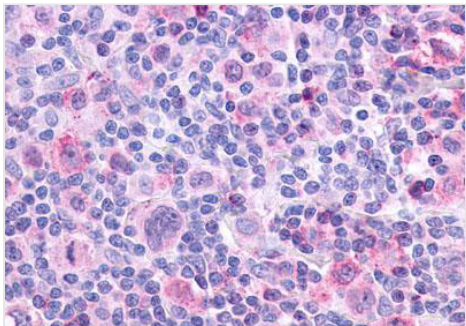
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Bovine, Guinea pig, Gorilla, Hamster, Horse, Human, Mouse, Pig, Rat Predicted Reactivity: Bat, Dog (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human CHRM4. 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	479
Applicable Applications for anti-CHRM4 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 20 amino acid peptide from 3rd cytoplasmic domain of human CHRM4. Percent identity with other species by BLAST analysis: Human, Gorilla, Mouse, Rat, Bovine, Hamster, Horse, Pig, Guinea pig (100%); Dog, Elephant, Panda (95%); Bat (90%).
Immunogen Type	Synthetic peptide
Immunogen	CHRM4 / M4 antibody was raised against synthetic 20 amino acid peptide from 3rd cytoplasmic domain of human CHRM4. Percent identity with other species by BLAST analysis: Human, Gorilla, Mouse, Rat, Bovine, Hamster, Horse, Pig, Guinea pig (100%); Dog, Elephant, Panda (95%); Bat (90%).
Antigen Modification	Cytoplasmic Domain
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-CHRM4 antibody IHC of human brain, neurons and glia. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-CHRM4 / M4 antibody IHC of human Lymph Node, Hodgkins Lymphoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-CHRM4 antibody	Muscarinic acetylcholine receptor M4 is an Acetylcholine Receptor. Unlike muscarinic receptor M2, the M4 receptor is not involved in smooth muscle contraction. The clinical relevance of this receptor is unknown. However, mouse studies have linked it to adenylyl cyclase inhibition.
Product Categories/Family for anti-CHRM4 antibody	Family: GPCR; Subfamily: Acetylcholine

NCBI AND UNIPROT INFORMATION

NCBI GI #	52426748
NCBI GeneID	1132
NCBI Accession #	NP_000732.2
NCBI GenBank Nucleotide #	NM_000741.2
UniProt Accession #	P08173; Q0VD60; Q4VBK7; B2RPP4
Molecular Weight	53,049 Da
NCBI Official Full Name	muscarinic acetylcholine receptor M4
NCBI Official Synonym Full Names	cholinergic receptor, muscarinic 4
NCBI Official Symbol	CHRM4
NCBI Official Synonym Symbols	HM4; M4R
NCBI Protein Information	muscarinic acetylcholine receptor M4; acetylcholine receptor, muscarinic 4
UniProt Protein Name	Muscarinic acetylcholine receptor M4
UniProt Gene Name	CHRM4
UniProt Entry Name	ACM4_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.