

Rabbit CHRM2 Polyclonal Antibody | anti-CHRM2 antibody

Anti-CHRM2 Antibody

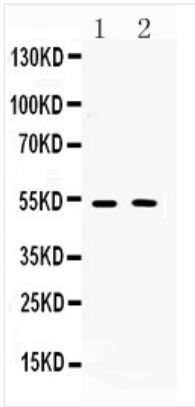
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46743	Rabbit	Reacts with: Mouse, Rat Predicted to work with: Human	Western Blot

PRODUCT SYNONYMS

CHRM2; Polyclonal Antibody; Anti-CHRM2 Antibody; Acm2; ACM2; CHRM 2; M2 muscarinic receptor; Muscarinic Acetylcholine Receptor 2; Muscarinic M2 receptor; P08172; Muscarinic acetylcholine receptor M2; cholinergic receptor; muscarinic 2; anti-CHRM2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reacts with: Mouse, Rat Predicted to work with: Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl , 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃
Sequence Length	466
Applicable Applications for anti-CHRM2 antibody	WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CHRM2 (352-376aa QNGDEKQNIVARKIVKMTKQPAKKK), identical to the related mouse and rat sequences.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Western blot analysis of CHRM2 expression in rat brain extract (lane 1) and mouse brain extract (lane 2). CHRM2 at 52KD was detected using rabbit anti- CHRM2 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-CHRM2 antibody	Background: The muscarinic acetylcholine receptor M2, also known as the cholinergic receptor, muscarinic 2, is a muscarinic acetylcholine receptor that in humans is encoded by the CHRM2 gene. The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine to these receptors and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The muscarinic cholinergic receptor 2 is involved in mediation of bradycardia and a decrease in cardiac contractility. Multiple alternatively spliced transcript variants have been described for this gene.
References	1. "Entrez Gene: CHRM2 cholinergic receptor, muscarinic 2". 2. Comings DE, Wu S, Rostamkhani M, McGue M, Lacono WG, Cheng LS, MacMurray JP (January 2003). "Role of the cholinergic muscarinic 2 receptor (CHRM2) gene in cognition". Mol. Psychiatry. 8 (1): 10-1. 3. Gosso MF, van Belzen M, de Geus EJ, Polderman JC, Heutink P, Boomsma DI, Posthuma D (November 2006). "Association between the CHRM2 gene and intelligence in a sample of 304 Dutch families". Genes Brain Behav. 5(8): 577-84.

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
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
UniProt Protein Name	Muscarinic acetylcholine receptor M2
UniProt Gene Name	CHRM2

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/chrm2-antibody-western-blot-elisa/46743>