

Rabbit Muscarinic Acetylcholine Receptor 1/CHRM1 Polyclonal Antibody | anti-CHRM1 antibody

Anti-Muscarinic Acetylcholine Receptor 1/CHRM1 Antibody

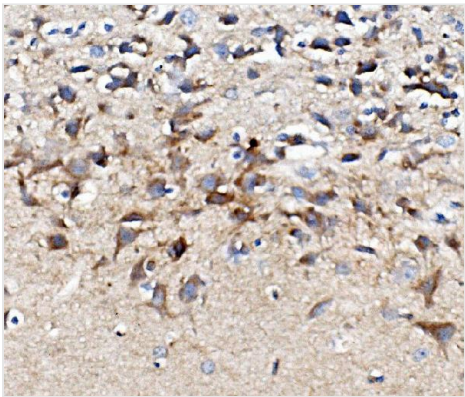
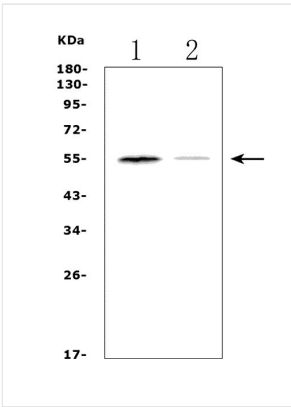
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125473	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Muscarinic Acetylcholine Receptor 1/CHRM1; Polyclonal Antibody; Anti-Muscarinic Acetylcholine Receptor 1/CHRM1 Antibody; Muscarinic acetylcholine receptor M1; CHRM1; anti-CHRM1 antibody

PRODUCT SPECIFICATIONS

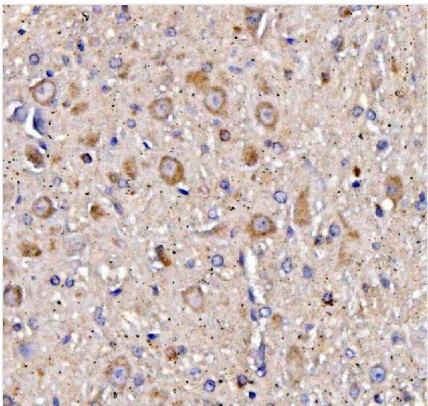
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	460
Applicable Applications for anti-CHRM1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of human Muscarinic Acetylcholine Receptor 1/CHRM1(RGKEQLAKRKTFSLVKEKKAARTL).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
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 store at -20 degree C for a longer time. Avoid repeated freezing and thawing.



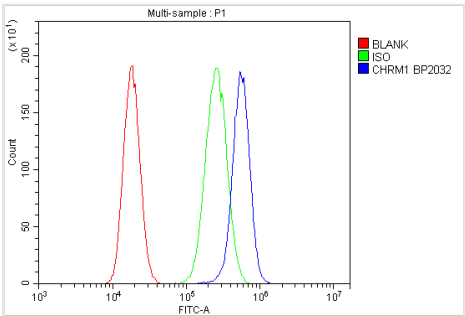
WB (Western Blot)

Figure 1. Western blot analysis of CHRM1 using anti-CHRM1 antibody.

IHC (Immunohistochemisry)



IHC (Immunohiostchemistry)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-CHRM1 antibody	Description: Rabbit IgG polyclonal antibody for Muscarinic Acetylcholine Receptor 1/CHRM1 detection. Tested with WB, IHC-P, FCM in Human; Mouse; Rat. Background: The muscarinic acetylcholine receptor M1, also known as the cholinergic receptor, muscarinic 1, is a muscarinic receptor that in humans is encoded by the CHRM1 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 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 1 is involved in mediation of vagally-induced bronchoconstriction and in the acid secretion of the gastrointestinal tract. The gene encoding this receptor is localized to 11q13.
References	1. Anagnostaras, S. G., Murphy, G. G., Hamilton, S. E., Mitchell, S. L., Rahnama, N. P., Nathanson, N. M., Silva, A. J. Selective cognitive dysfunction in acetylcholine M1 muscarinic receptor mutant mice. <i>Nature Neurosci.</i> 6: 51-58, 2003. 2. Bonner, T. I., Buckley, N. J., Young, A. C., Brann, M. R. Identification of a family of muscarinic acetylcholine receptor genes. <i>Science</i> 237: 527-532, 1987. Note: Erratum: <i>Science</i> 237: 1556 only, 1987. 3. Bonner, T. I., Modi, W. S., Seuanez, H. N., O'Brien, S. J. Chromosomal mapping of five human genes encoding muscarinic acetylcholine receptors. (Abstract) <i>Cytogenet. Cell Genet.</i> 58: 1850-1851, 1991.

NCBI AND UNIPROT INFORMATION

NCBI GI #	37622910
NCBI GeneID	1128

NCBI Accession #	NP_000729.2
NCBI GenBank Nucleotide #	NP_000729.2
UniProt Accession #	P11229
NCBI Official Full Name	muscarinic acetylcholine receptor M1
NCBI Official Synonym Full Names	cholinergic receptor muscarinic 1
NCBI Official Symbol	CHRM1
NCBI Official Synonym Symbols	M1; HM1; M1R
NCBI Protein Information	muscarinic acetylcholine receptor M1
UniProt Protein Name	Muscarinic acetylcholine receptor M1
UniProt Gene Name	CHRM1
UniProt Entry Name	ACM1_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/muscarinic-acetylcholine-receptor-1-chrm1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/125473>