

Datasheet for ABIN3044369

anti-Muscarinic Acetylcholine Receptor M2 antibody (C-Term)



[Go to Product page](#)

2 Images

Overview

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| Quantity: | 100 µg |
| Target: | Muscarinic Acetylcholine Receptor M2 (CHRM2) |
| Binding Specificity: | AA 356-370, C-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Muscarinic Acetylcholine Receptor M2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Purpose: | Rabbit IgG polyclonal antibody for Muscarinic acetylcholine receptor M2(CHRM2) detection. Tested with WB, IHC-P in Human, Mouse, Rat. |
| Immunogen: | A synthetic peptide corresponding to a sequence at the C-terminus of human Muscarinic Acetylcholine Receptor 2(356-370aa EKQNVARKIVKMTK), identical to the related rat and mouse sequences. |
| Sequence: | EKQNVARKI VKMTK |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross reactivity with other proteins. |
| Characteristics: | Rabbit IgG polyclonal antibody for Muscarinic acetylcholine receptor M2(CHRM2) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Gene Name: cholinergic receptor, muscarinic 2 |

Product Details

Protein Name: Muscarinic acetylcholine receptor M2

Purification: Immunogen affinity purified.

Target Details

Target: Muscarinic Acetylcholine Receptor M2 (CHRM2)

Alternative Name: CHRM2 ([CHRM2 Products](#))

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.

Synonyms: 7TM receptor antibody|Acetylcholine receptor, muscarinic, 2 antibody|Acm2 antibody|ACM2_HUMAN antibody|Cholinergic receptor muscarinic 2 antibody|Cholinergic receptor, muscarinic 2, cardiac antibody|Cholinergic receptor, muscarinic 2, isoform a antibody|Cholinergic receptor, muscarinic 2a antibody|CHRM 2 antibody|CHRM2 antibody|chrm2a antibody|CM2 antibody|FLJ43243 antibody|HM 2 antibody|HM2 antibody|M2 antibody|M2 muscarinic receptor antibody|MGC120006 antibody|MGC120007 antibody|Muscarinic acetylcholine receptor M2 antibody|Muscarinic M2 receptor antibody

UniProt: [P08172](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat, The detection limit for CHRM2 is approximately 1 ng/lane under reducing conditions.

IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.

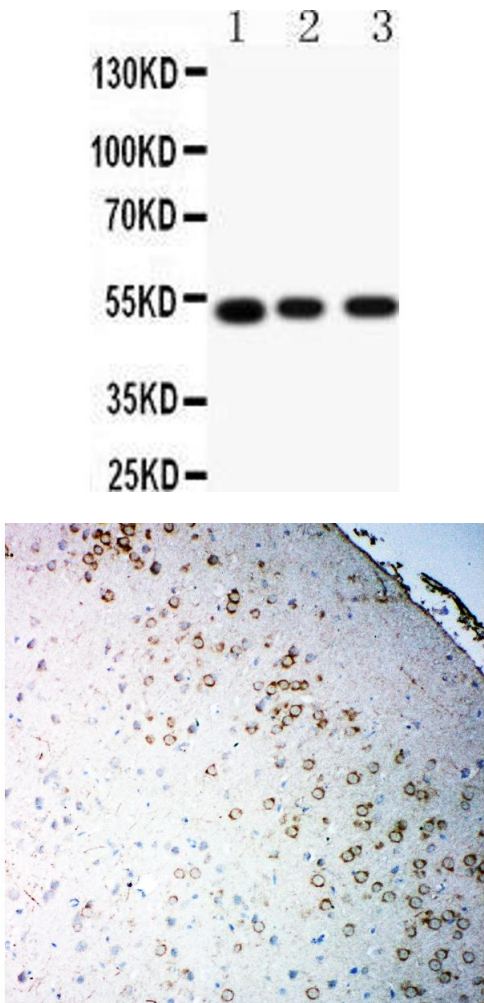
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be

Application Details

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| | fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users. |
| Comment: | Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P). |
| Restrictions: | For Research Use only |

Handling

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| Format: | Lyophilized |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide. |
| Preservative: | Thimerosal (Merthiolate), Sodium azide |
| Precaution of Use: | This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |
| Expiry Date: | 12 months |



Western Blotting

Image 1. Anti-Muscarinic Acetylcholine Receptor 2 antibody, Western blotting All lanes: Anti Muscarinic Acetylcholine Receptor 2 () at 0.5ug/ml Lane 1: Rat Brain Tissue Lysate at 50ug Lane 2: Mouse Brain Tissue Lysate at 50ug Lane 3: U87 Whole Cell Lysate at 40ug Predicted bind size: 52KD Observed bind size: 52KD

Immunohistochemistry

Image 2. Anti-Muscarinic Acetylcholine Receptor 2 antibody, IHC(P) IHC(P): Rat Brain Tissue