

Datasheet for ABIN7139924

**anti-Muscarinic Acetylcholine Receptor M2 antibody (AA 3-20)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µL
Target:	Muscarinic Acetylcholine Receptor M2 (CHRM2)
Binding Specificity:	AA 3-20
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Muscarinic Acetylcholine Receptor M2 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Peptide sequence from Human Muscarinic acetylcholine receptor M2 protein (3-20AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

## Target Details

Target:	Muscarinic Acetylcholine Receptor M2 (CHRM2)
Alternative Name:	CHRM2 ( <a href="#">CHRM2 Products</a> )
Background:	Background: The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of

## Target Details

potassium channels through the action of G proteins. Primary transducing effect is adenylate cyclase inhibition. Signaling promotes phospholipase C activity, leading to the release of inositol trisphosphate (IP3), this then triggers calcium ion release into the cytosol.

Aliases: 7TM receptor antibody, Acetylcholine receptor, muscarinic, 2 antibody, AChR 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, M2-mAChR antibody, MGC120006 antibody, MGC120007 antibody, Muscarinic acetylcholine receptor M2 antibody, Muscarinic M2 receptor antibody

UniProt: [P08172](#)

## Application Details

Application Notes: Recommended dilution: IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

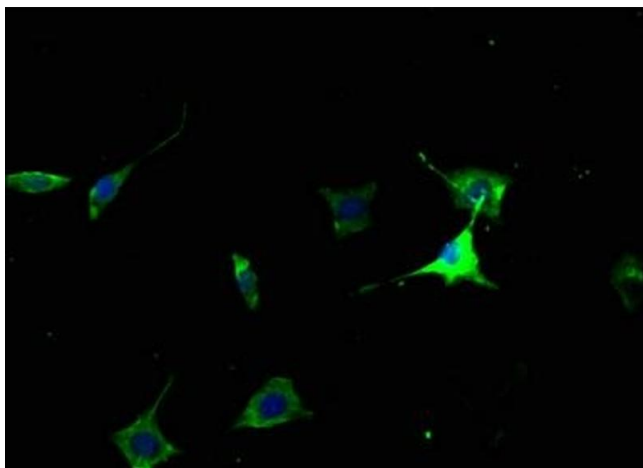
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunofluorescence

**Image 1.** Immunofluorescence staining of SH-SY5Y cells with ABIN7139924 at 1:50, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).