



Datasheet for ABIN7266346

## anti-Muscarinic Acetylcholine Receptor M2 antibody



[Go to Product page](#)

### 4 Images

#### Overview

Quantity:	100 µL
Target:	Muscarinic Acetylcholine Receptor M2 (CHRM2)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Muscarinic Acetylcholine Receptor M2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### Product Details

Purpose:	Muscarinic AChR M2 (ACM2) Rabbit mAb
Immunogen:	A synthesized peptide derived from human Muscarinic AChR M2 (Muscarinic AChR M2 (ACM2))
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

#### Target Details

Target:	Muscarinic Acetylcholine Receptor M2 (CHRM2)
Alternative Name:	CHRM2 ( <a href="#">CHRM2 Products</a> )

## Target Details

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**Background:** 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. [provided by RefSeq, Jul 2008],HM2,G protein signaling,G protein signaling\_G-Protein-Coupled Receptors(GPCR),Neurodegenerative Diseases,Neurodegenerative Diseases\_Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimers Disease,Neuroscience,Signal Transduction,CHRM2

**Molecular Weight:** 52kDa

**Gene ID:** 1129

**UniProt:** [P08172](#)

## Application Details

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**Application Notes:** WB,1:500 - 1:2000,IHC,1:50 - 1:200

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

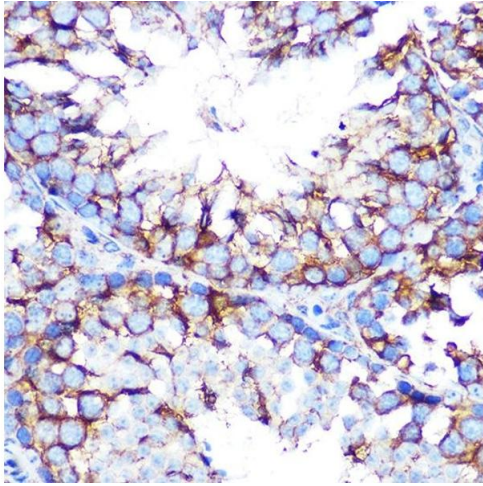
**Buffer:** PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

**Preservative:** Sodium azide

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

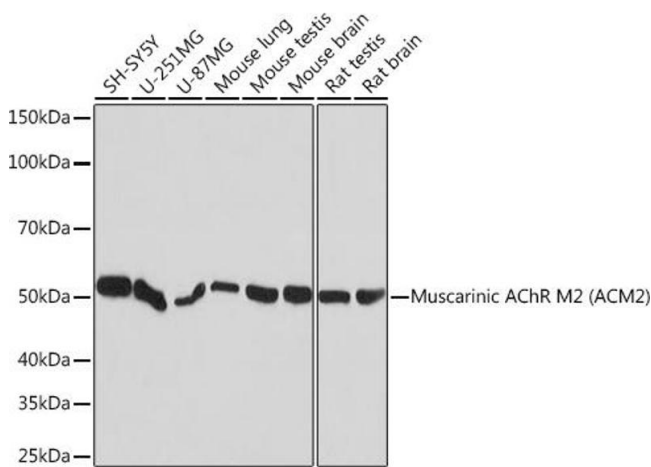
**Storage:** -20 °C

**Storage Comment:** Store at -20°C. Avoid freeze / thaw cycles.



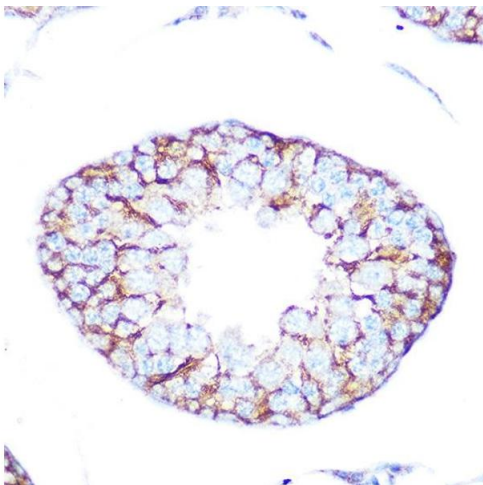
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded mouse testis using Muscarinic AChR M2 (Muscarinic AChR M2 ) Rabbit mAb (ABIN7266346) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using Muscarinic AChR M2 (Muscarinic AChR M2 ) Rabbit mAb (ABIN7266346) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded rat testis using Muscarinic AChR M2 (Muscarinic AChR M2 ) Rabbit mAb (ABIN7266346) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7266346.