

**mAChR M2 Polyclonal Antibody**  
Catalog # AP70795**Specification**

---

**mAChR M2 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P08172</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**mAChR M2 Polyclonal Antibody - Additional Information****Gene ID** 1129**Other Names**

CHRM2; Muscarinic acetylcholine receptor M2

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**mAChR M2 Polyclonal Antibody - Protein Information****Name** CHRM2**Function**

The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of 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.

**Cellular Location**

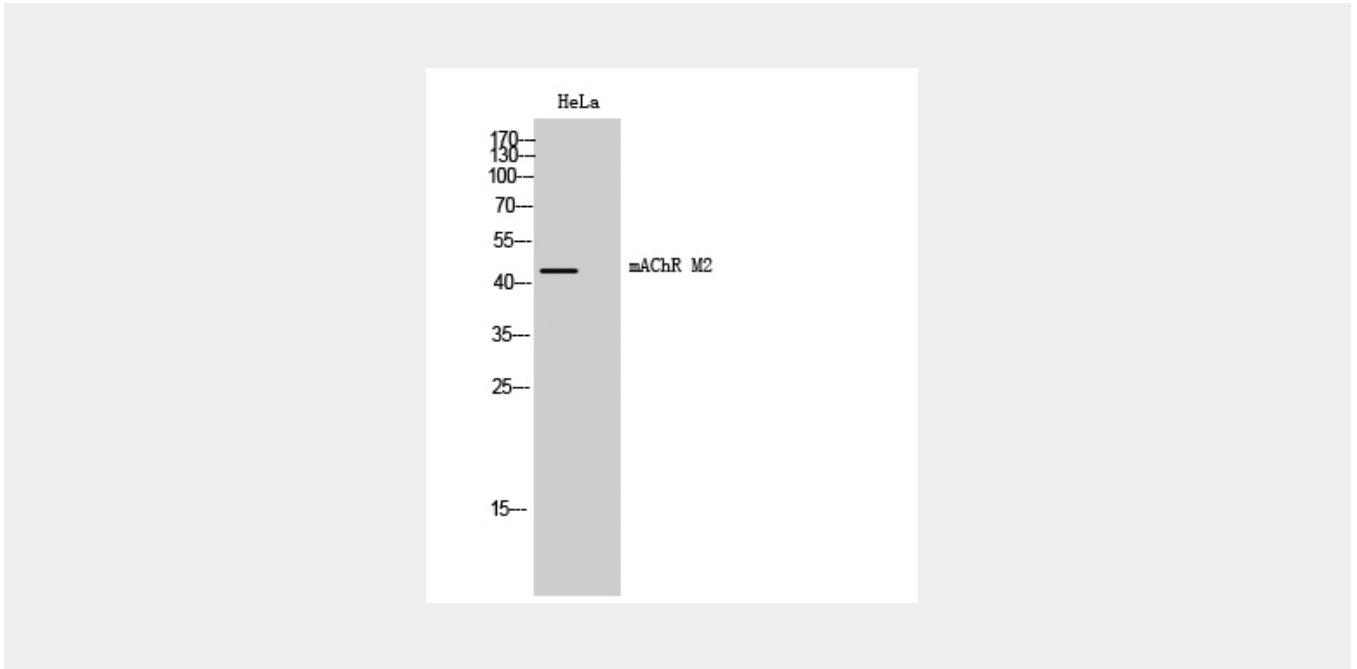
Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi-pass membrane protein. Note=Phosphorylation in response to agonist binding promotes receptor internalization {ECO:0000250|UniProtKB:P06199}

**mAChR M2 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **mAChR M2 Polyclonal Antibody - Images**



#### **mAChR M2 Polyclonal Antibody - Background**

The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of 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 (IP<sub>3</sub>); this then triggers calcium ion release into the cytosol.