

**ACM2 Antibody**  
Rabbit mAb  
Catalog # AP92395

## Specification

---

### ACM2 Antibody - Product Information

Application	WB, IHC, IP
Primary Accession	<a href="#">P08172</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
CHRM2; HM2; AChR; Acm2;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	51715 Da

### ACM2 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human ACM2</b>
Description	<b>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.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### ACM2 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

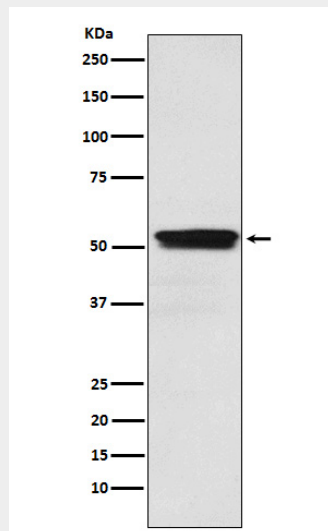
protein. Note=Phosphorylation in response to agonist binding promotes receptor internalization  
{ECO:0000250|UniProtKB:P06199}

## ACM2 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](#)

## ACM2 Antibody - Images



Western blot analysis of ACM2 expression in U87-MG cell lysate.