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# Muscarinic Acetylcholine Receptor M3 Antibody

Rabbit mAb
Catalog # AP91534

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | P20309 |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Other Names** | AChR; CHRM3; EGBRS; HM3; M3 muscarinic receptor; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 66128 |

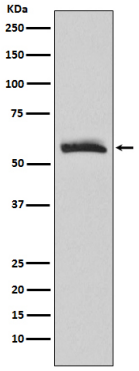
## Additional Information

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| **Dilution** | WB 1:500~1:1000 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from human Muscarinic Acetylcholine Receptor M3 |
| **Description** | 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 Pi turnover. |
| **Storage Condition and Buffer** | 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. |

## Protein Information

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|---|---|
| **Name** | CHRM3 |
| **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 Pi turnover. |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Colocalizes with TMEM147 in the endoplasmic reticulum (ER) membrane. TMEM147 impairs its trafficking to the cell membrane leading to its retention in the ER membrane |

## Images




Western blot analysis of Muscarinic Acetylcholine Receptor M3 expression in human fetal brain lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.