

**CHRM3 / M3 Antibody (Cytoplasmic Domain)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10357****Specification**

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**CHRM3 / M3 Antibody (Cytoplasmic Domain) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC-P, E               |
| Primary Accession | <a href="#">P20309</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 66kDa KDa              |
| Dilution          | IHC-P~~N/A<br>E~~N/A   |

**CHRM3 / M3 Antibody (Cytoplasmic Domain) - Additional Information****Gene ID** 1131**Other Names**

Muscarinic acetylcholine receptor M3, CHRM3

**Target/Specificity**

Human CHRM3 / M3. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

CHRM3 / M3 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

**CHRM3 / M3 Antibody (Cytoplasmic Domain) - Protein Information****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

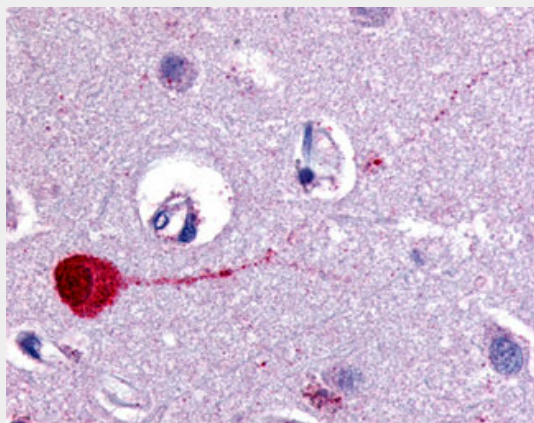
**Volume**  
50 µl

### **CHRM3 / M3 Antibody (Cytoplasmic Domain) - 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](#)

### **CHRM3 / M3 Antibody (Cytoplasmic Domain) - Images**



Anti-CHRM3 / M3 antibody ALS10357 IHC of human brain, cortex.

### **CHRM3 / M3 Antibody (Cytoplasmic Domain) - 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  $P_i$  turnover.

### **CHRM3 / M3 Antibody (Cytoplasmic Domain) - References**

Peralta E.G., et al. EMBO J. 6:3923-3929(1987).  
Bonner T.I., et al. Neuron 1:403-410(1988).  
Kitano T., et al. Mol. Biol. Evol. 21:936-944(2004).  
Puhl H.L. III, et al. Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.  
Gregory S.G., et al. Nature 441:315-321(2006).