

CHRM3 / M3 Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10358**Specification**

CHRM3 / M3 Antibody (Cytoplasmic Domain) - Product Information

Application	IHC-P, E
Primary Accession	P20309
Reactivity	Human, Mouse, Rabbit, Hamster, Monkey, Pig, Sheep, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66kDa KDa
Dilution	IHC-P~~N/A 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

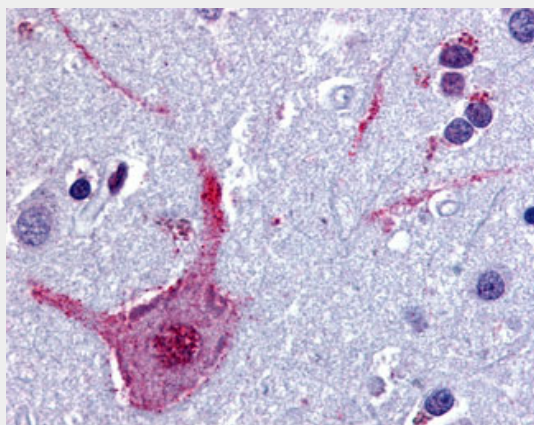
Volume

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 ALS10358 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 Pi turnover.

CHRM3 / M3 Antibody (Cytoplasmic Domain) - References

Peralta E.G., et al. EMBO J. 6:3923-3929(1987).
Bonner T.L., 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).