

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

Specification

CHRM3 / M3 Antibody (Cytoplasmic Domain) - Product Information

Application	IHC
Primary Accession	P20309
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66kDa KDa

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

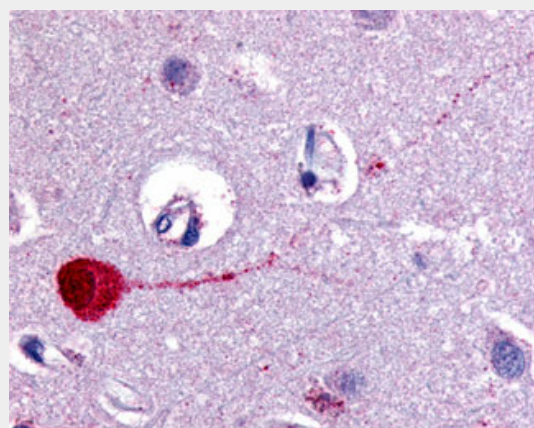
CHRM3 / M3 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

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.



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 Pi 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).

Cellular Location

Cell membrane; Multi-pass membrane protein. Cell junction, synapse, 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](#)