

Product Name: CHRM3 Mouse Monoclonal Antibody
Catalog #: AMM82998



Summary

Production Name	CHRM3 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC, ICC, FC
Reactivity	Human, Mouse, Rabbit

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Immunogen

Gene Name	CHRM3
Alternative Names	HM3; PBS; EGBRS; m3AChR
Gene ID	1131.0
SwissProt ID	P20309.

Application

Dilution Ratio	IHC:1:200-1:400, ICC:1:25-1:50, FC:1:200-1:400
Molecular Weight	66kDa

Background

The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of

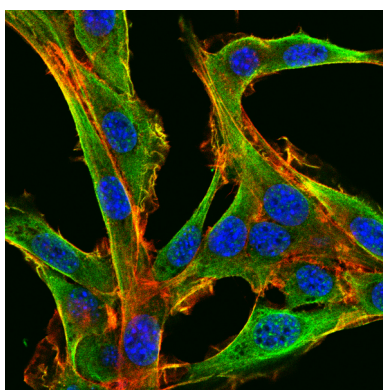
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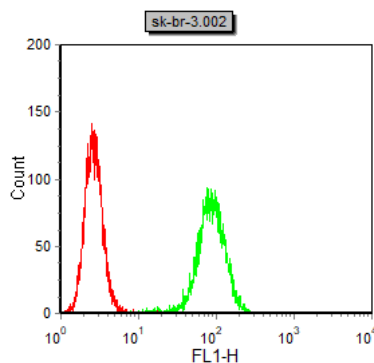
these receptors is defined by the binding of acetylcholine and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The muscarinic cholinergic receptor 3 controls smooth muscle contraction and its stimulation causes secretion of glandular tissue. Alternative promoter use and alternative splicing results in multiple transcript variants that have different tissue specificities. [provided by RefSeq, Dec 2016]

Research Area

Image Data

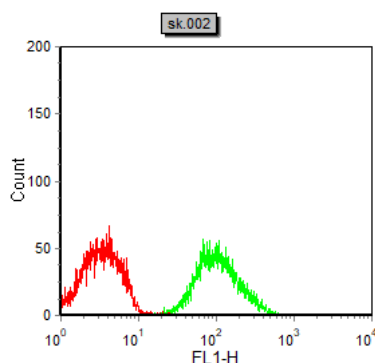


Confocal Immunofluorescence analysis of NIH3T3 cells using CHRM3 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

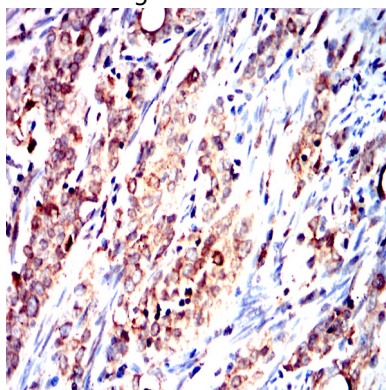


Flow cytometric analysis of SK-BR-3 cells using CHRM3 mouse mAb (green) and negative control (red).

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Flow cytometric analysis of SK-N-SH cells using CHRM3 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using CHRM3 mouse mAb with DAB staining.

Note

For research use only.