

mAChR M2 Polyclonal Antibody

Catalog # AP70795

Product Information

Application WB, IF **Primary Accession** P08172

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW51715

Additional Information

Gene ID 1129

Other Names CHRM2; Muscarinic acetylcholine receptor M2

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000.

ELISA: 1/20000. Not yet tested in other applications. IF~~1:50~200

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

Name CHRM2

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 adenylate cyclase inhibition. Signaling promotes phospholipase C activity, leading to the release of inositol trisphosphate (IP3);

this then triggers calcium ion release into the cytosol.

Cellular Location Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane;

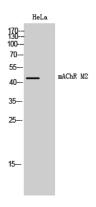
Multi-pass membrane protein. Note=Phosphorylation in response to agonist binding promotes receptor internalization {ECO:0000250|UniProtKB:P06199}

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 adenylate cyclase inhibition. Signaling promotes phospholipase C activity, leading to the release of inositol trisphosphate (IP3); this then triggers calcium ion

release into the cytosol.

Images



Western Blot analysis of HeLa cells using mAChR M2 Polyclonal Antibody

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