
Summary

Production Name	mAChR M5 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF, WB,
Reactivity	Human, Rat, Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CHRM5
Alternative Names	CHRM5; Muscarinic acetylcholine receptor M5
Gene ID	1133.0
SwissProt ID	P08912. The antiserum was produced against synthesized peptide derived from human CHRM5. AA range: 281-330

Application

Dilution Ratio	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other applications.
Molecular Weight	60kD

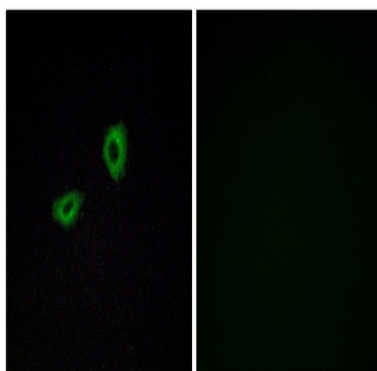
Background

The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of 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 clinical implications of this receptor are unknown; however, stimulation of this receptor is known to increase cyclic AMP levels. [provided by RefSeq, Jul 2008],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.,similarity:Belongs to the G-protein coupled receptor 1 family.,

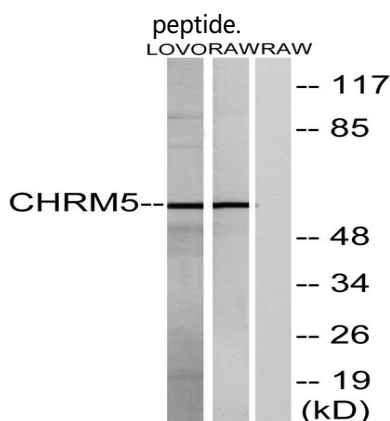
Research Area

Calcium;Neuroactive ligand-receptor interaction;Regulates Actin and Cytoskeleton;

Image Data

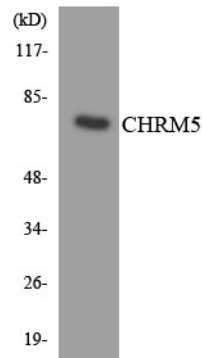


Immunofluorescence analysis of A549 cells, using CHRM5 Antibody. The picture on the right is blocked with the synthesized

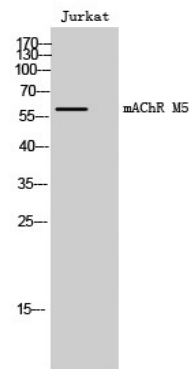


Western blot analysis of lysates from LOVO and RAW264.7 cells, using CHRM5 Antibody. The lane on the right is blocked with the synthesized peptide.

Product Name: mAChR M5 Rabbit Polyclonal Antibody
Catalog #: APRab13546



Western blot analysis of the lysates from K562 cells using CHRM5 antibody.



Western Blot analysis of Jurkat cells using mAChR M5 Polyclonal Antibody

Note

For research use only.