

mAChR M2 rabbit pAb**Cat#: orb767506 (Manual)**

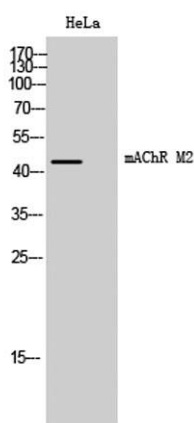
For research use only. Not intended for diagnostic use.

Product Name	mAChR M2 rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human CHRM2. AA range:185-234
Specificity	mAChR M2 Polyclonal Antibody detects endogenous levels of mAChR M2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Muscarinic acetylcholine receptor M2
Gene Name	CHRM2
Cellular localization	Cell membrane ; Multi-pass membrane protein . Cell junction, synapse, postsynaptic cell membrane ; Multi-pass membrane protein . Phosphorylation in response to agonist binding promotes receptor internalization. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

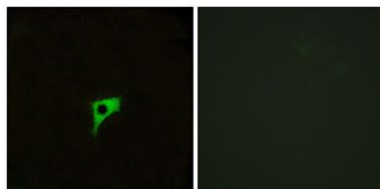
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	51kD
Human Gene ID	1129
Human Swiss-Prot Number	P08172
Alternative Names	CHRM2; Muscarinic acetylcholine receptor M2

Background

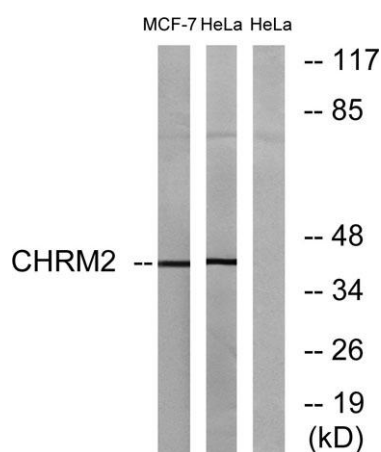
The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine to these receptors and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The muscarinic cholinergic receptor 2 is involved in mediation of bradycardia and a decrease in cardiac contractility. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008],



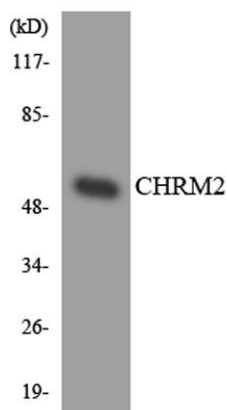
Western Blot analysis of HeLa cells using mAChR M2 Polyclonal Antibody



Immunofluorescence analysis of LOVO cells, using CHRM2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa and MCF-7 cells, using CHRM2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using CHRM2 antibody.