ELK Biotechnology

mAChR M1 rabbit pAb

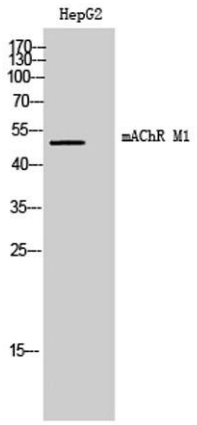
Cat No.:ES4630

For research use only

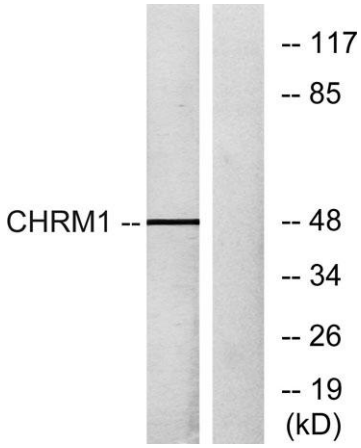
Overview

Product Name	mAChR M1 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human CHRM1. AA range:295-344
Specificity	mAChR M1 Polyclonal Antibody detects endogenous levels of mAChR M1 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 M1
Gene Name	CHRM1
Cellular localization	Cell membrane; Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein.
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	1128
Human Swiss-Prot Number	P11229
Alternative Names	CHRM1; Muscarinic acetylcholine receptor M1
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 muscarinic cholinergic receptor 1 is involved in mediation of vagally-induced bronchoconstriction and in the acid secretion of the gastrointestinal tract. The gene encoding this receptor is localized to 11q13. [provided by RefSeq, Jul 2008],



Western Blot analysis of HepG2 cells using mAChR M1 Polyclonal Antibody



Western blot analysis of lysates from HepG2 cells, using CHRM1 Antibody. The lane on the right is blocked with the synthesized peptide.

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