

Immunotag™ mAChR M1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT2611
Product Description	Immunotag™ mAChR M1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	mAChR M1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from mAChR M1, at AA range: 270-350
Specificity	mAChR M1 Polyclonal Antibody detects endogenous levels of mAChR M1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	CHRM1
Accession No.	P11229 P12657 P08482
Alternate Names	CHRM1; Muscarinic acetylcholine receptor M1

Antibody Specification

Description	cholinergic receptor muscarinic 1(CHRM1) Homo sapiens 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],
Cell Pathway/ Category	Calcium,Neuroactive ligand-receptor interaction,Regulates Actin and Cytoskeleton,
Protein Expression	Amygdala,Brain,
Subcellular Localization	plasma membrane,integral component of plasma membrane,postsynaptic density,membrane,cell junction,dendrite,asymmetric synapse,axon terminus,synapse,postsynaptic membrane,
Protein Function	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.,subunit:Interacts with GPRASP2.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.