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Product datasheet for AP01261PU-M

CHRM1 Rabbit Polyclonal Antibody

Product data:

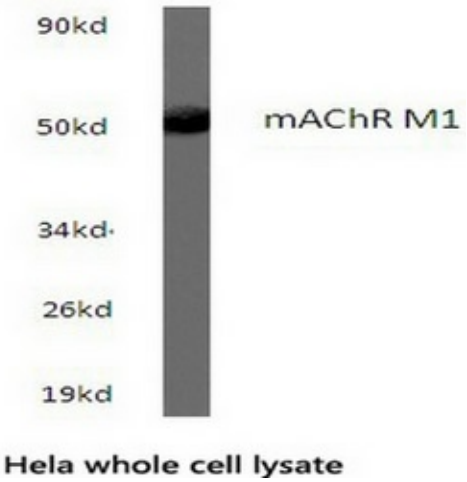
Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	**Western blot**: 1/500-1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 311-360 of Human mAChR M1.
Specificity:	This antibody detects endogenous levels of Muscarinic acetylcholine receptor M1 / mAChR M1 protein (region surrounding Arg336).
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig Preservative: 0.05% Sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	Approx. 50 kDa
Gene Name:	cholinergic receptor muscarinic 1
Database Link:	Entrez Gene 1128 Human P11229

View online »

Background: The muscarinic acetylcholine receptors (mAChR) mediate a variety of cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels. The mAChRs transducer signals by coupling to G-proteins, which then modulate several downstream effector proteins and ion channels. Five mAChR subtypes have been identified, designated M1 to M5. The five receptor subtypes show distinct patterns of tissue distribution, as well as distinct pharmacological and functional properties.
The amino acid sequence of each mAChR subtype reflects a structure that is characteristic of G-protein coupled receptors, consisting of seven highly conserved transmembrane segments and a large intracellular region unique to each subtype, which constitutes the effector-coupling domain.

Synonyms: CHRM1, mAChR M1, mAChR-M1

Product images:



Western blot analysis with extracts from HeLa cells using Muscarinic acetylcholine receptor M1 antibody. (1/500).