SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-muscarinic Acetylcholine Receptor 1 antibody

Catalog Number: SL1150R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	muscarinic Acetylcholine Receptor 1
Immunogen:	KLH conjugated synthetic peptide derived from human muscarinic Acetylcholine Receptor 1: 321-420/460
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Mouse, Rat, (predicted: Pig, Cow, Horse)
Predicted MW.:	51kDa
Subcellular Location:	The cell membrane
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]. **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. **Subunit:** Interacts with GPRASP2.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subcellular Location: Cell membrane; Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. **Similarity:** Belongs to the G-protein coupled receptor 1 family. Muscarinic acetylcholine receptor subfamily. CHRM1 sub-subfamily. **Database links:** **Entrez Gene:** 1128 Human **Entrez Gene:** 12669 Mouse **Entrez Gene:** 25229 Rat Omim: 118510 Human **SwissProt:** P11229 Human **SwissProt:** P12657 Mouse **SwissProt:** P08482 Rat AChR M1 Muscarinic acetylcholine receptorM1,It belongs to the G protein-coupled receptor family and is mainly distributed in the central nervous system and peripheral nervous system. After acetylcholine binds to the receptor, it induces its functions: inhibition of adenylate cyclase, degradation of phosphoinositides, and opening of membrane potassium ion channels..

[VALIDATION IMAGES]

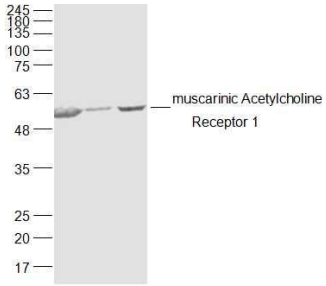


Figure 1. Sample: Cerebrum (Mouse) Lysate at 40 ug Cerebrum (Rat) Lysate at 40 ug HepG2(Human) Cell Lysate at 30 ug Primary: Anti-muscarinic Acetylcholine Receptor 1 (SL1150R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kD Observed band size: 51 kD

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