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Goat Anti-M1 mAChR / CHRM1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1642a

Specification

Goat Anti-M1 mAChR / CHRM1 Antibody - Product Information

Application	**WB, E**
Primary Accession	P11229
Other Accession	NP_000729, 1128, 12669 (mouse), 25229 (rat)
Reactivity	**Human**
Predicted	**Mouse, Rat, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**51421**

Goat Anti-M1 mAChR / CHRM1 Antibody - Additional Information

Gene ID 1128

Other Names
Muscarinic acetylcholine receptor M1, CHRM1

Dilution
WB~~1:1000
E~~N/A

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-M1 mAChR / CHRM1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-M1 mAChR / CHRM1 Antibody - Protein Information

Name CHRM1

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.

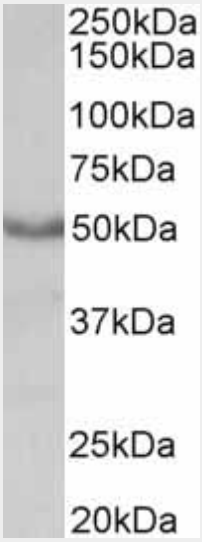
Cellular Location
Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi-pass membrane protein

Goat Anti-M1 mAChR / CHRM1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-M1 mAChR / CHRM1 Antibody - Images



AF1642a (0.3 µg/ml) staining of Mouse Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-M1 mAChR / CHRM1 Antibody - 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.

Goat Anti-M1 mAChR / CHRM1 Antibody - References

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Human variation in alcohol response is influenced by variation in neuronal signaling genes. Joslyn G, et al. Alcohol Clin Exp Res, 2010 May. PMID 20201926.
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