




Product datasheet

Anti-Muscarinic Acetylcholine Receptor 1/CHRM1 antibody ab77098

[2 References](#) [1 Image](#)

Overview

Product name	Anti-Muscarinic Acetylcholine Receptor 1/CHRM1 antibody
Description	Goat polyclonal to Muscarinic Acetylcholine Receptor 1/CHRM1
Host species	Goat
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Dog, Pig, Rhesus monkey, Orangutan 
Immunogen	Synthetic peptide corresponding to Human Muscarinic Acetylcholine Receptor 1/CHRM1 aa 438-453 (C terminal). Sequence: C-DKRRWRKIPKRPGSVH Database link: NP_000729.2 <div>  Run BLAST with  Run BLAST with </div>
Positive control	Human brain lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, Tris buffered saline

Purity	Immunogen affinity purified
Purification notes	ab77098 is purified from goat serum by ammonium sulphate precipitation, followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab77098 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

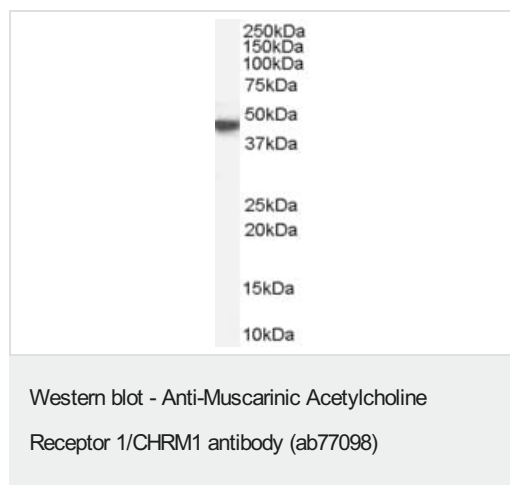
Application	Abreviews	Notes
WB		Use a concentration of 0.3 - 1 µg/ml. Predicted molecular weight: 51 kDa. 1 hour primary incubation is recommended for this product.

Target

Relevance 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. Muscarinic receptors are so called as they are more sensitive to the effects of the alkaloid muscarine, rather than nicotine.

Cellular localization Cell Membrane; multi-pass membrane protein

Images



Anti-Muscarinic Acetylcholine Receptor 1/CHRM1 antibody (ab77098) at 0.300000011920929 µg/ml + human brain lysate (in RIPA buffer) at 35 µg

Predicted band size: 51 kDa

Observed band size: 48 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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