AChRalpha9 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	AChRalpha9, Polyclonal Antibody
Full Product Name	AChRalpha9 Polyclonal Antibody
Product Gene Name	anti-AChRalpha9 antibody
Clonality	Polyclonal
Molecular Weight	54,807 Da
OMIM	605116
3D Structure	ModBase 3D Structure for Q9UGM1
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-AChRalpha9 antibody	MBS8526719 is an antibody targeting AChRalpha9. Also known as AChRalpha9 Polyclonal Antibody.
Other Notes	Small volumes of anti-AChRalpha9 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AChRalpha9. It may not necessarily be applicable to this product.

NCBI GI #	70995130
NCBI GeneID	55584
NCBI Accession #	NP_060051.2
UniProt Primary Accession #	Q9UGM1
UniProt Secondary Accession #	Q14CY7; Q4W5A2; Q9NYV2
UniProt Related Accession #	Q9UGM1
GenBank Nucleotide #	NM_017581.3
NCBI Official Full Name	neuronal acetylcholine receptor subunit alpha-9
NCBI Official Synonym Full Names	cholinergic receptor nicotinic alpha 9 subunit
NCBI Official Symbol	CHRNA9
NCBI Official Synonym Symbols	NACHRA9; HSA243342
UniProt Protein Name	Neuronal acetylcholine receptor subunit alpha-9
UniProt Synonym Protein Names	Nicotinic acetylcholine receptor subunit alpha-9; NACHR alpha-9
UniProt Gene Name	CHRNA9
UniProt Synonym Gene Names	NACHRA9; NACHR alpha-9
NCBI Protein Information	neuronal acetylcholine receptor subunit alpha-9

NCBI Summary for AChRalpha9	This gene is a member of the ligand-gated ionic channel family and nicotinic acetylcholine receptor gene superfamily. It encodes a plasma membrane protein that forms homo- or hetero-oligomeric divalent cation channels. This protein is involved in cochlea hair cell development and is also expressed in the outer hair cells (OHCs) of the adult cochlea. [provided by RefSeq, Feb 2012]
UniProt Comments for AChRalpha9	Ionotropic receptor with a probable role in the modulation of auditory stimuli. Agonist binding induces a conformation change that leads to the opening of an ion-conducting channel across the plasma membrane (PubMed:11752216, PubMed:25282151). The channel is permeable to a range of divalent cations including calcium, the influx of which may activate a potassium current which hyperpolarizes the cell membrane (PubMed:11752216, PubMed:25282151). In the ear, this may lead to a reduction in basilar membrane motion, altering the activity of auditory nerve fibers and reducing the range of dynamic hearing. This may protect against acoustic trauma. May also regulate keratinocyte adhesion (PubMed:11021840).
Research Articles on AChRalpha9	**1.** phosphocholine inhibits ion-channel function of ATP receptor P2X7 in monocytic cells via nAChR containing alpha9 and alpha10 subunits.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-antibody/achralpha9/8526719