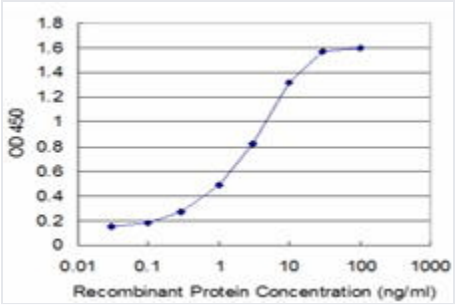
GLRA1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	GLRA1, Monoclonal Antibody
Full Product Name	GLRA1 (Glycine Receptor, alpha 1, MGC138878, MGC138879, STHE) (Biotin)
Product Gene Name	anti-GLRA1 antibody
Product Synonym Names	Glycine Receptor; alpha 1; MGC138878; MGC138879; STHE
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2G4
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified
Specificity	Recognizes GLRA1.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	51,693 Da
OMIM	138491
3D Structure	ModBase 3D Structure for B2R6T3
Immunogen	GLRA1 (NP_000162, 121aa-220aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	IWKPDLFFANEKGAHFHEITTDNKLLRISRNGNVLYSIRITLTLACPMDLKNFPMDVQTCIMQLESFGYTMNDLIFEWQEQGAVQVADGLTLPQFILKEE
Conjugate	Biotin
Product Categories/Family for anti-GLRA1 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-GLRA1 antibody	Western Blot (WB)
Application Notes for anti-GLRA1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-GLRA1 antibody	The protein encoded by this gene is a subunit of a pentameric inhibitory glycine receptor. The receptor mediates postsynaptic inhibition in the central nervous system. Defects in this gene are a cause of startle disease (STHE), also known as hereditary hyperekplexia or congenital stiff-person syndrome. Two transcript variants encoding different isoforms have been found for this gene.

Other Notes	Small volumes of anti-GLRA1 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.
Searchable Terms for GLRA1 purchase	MBS6172986 is an antibody targeting GLRA1. Also known as GLRA1 (Glycine Receptor, alpha 1, MGC138878, MGC138879, STHE) (Biotin). Host: Mouse.



Testing Data of anti-GLRA1 antibody
Detection limit for recombinant GST tagged GLRA1 is approximately 0.1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GLRA1. It may not necessarily be applicable to this product.

NCBI GI #	119372310
NCBI GeneID	2741
NCBI Accession #	NP_000162
UniProt Primary Accession #	B2R6T3
UniProt Secondary Accession #	Q14C77; Q6DJV9; B2R6T3
UniProt Related Accession #	P23415
GenBank Nucleotide #	NM_000171
NCBI Official Full Name	glycine receptor subunit alpha-1 isoform 2
NCBI Official Synonym Full Names	glycine receptor, alpha 1
NCBI Official Symbol	GLRA1
NCBI Official Synonym Symbols	STHE; HKPX1
UniProt Protein Name	Glycine receptor subunit alpha-1
UniProt Synonym Protein Names	Glycine receptor 48 kDa subunit; Glycine receptor strychnine-binding subunit
Protein Family	Glycine receptor
UniProt Gene Name	GLRA1
UniProt Entry Name	GLRA1_HUMAN
NCBI Protein Information	glycine receptor subunit alpha-1; glycine receptor 48 kDa subunit; glycine receptor strychnine-binding subunit
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.

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