DAOA Antibody

PRODUCT OVERVIEW

Product Name	DAOA, Antibody
Full Product Name	DAOA Antibody
Product Gene Name	anti-DAOA antibody
Molecular Weight	14,719 Da
OMIM	181500
3D Structure	ModBase 3D Structure for P59103
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-DAOA antibody	MBS8502336 is an antibody targeting DAOA. Also known as DAOA Antibody.
Other Notes	Small volumes of anti-DAOA 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 DAOA. It may not necessarily be applicable to this product.

NCBI GI #	240120173
NCBI GeneID	267012
NCBI Accession #	NP_001155284.1
UniProt Primary Accession #	P59103
UniProt Secondary Accession #	Q0VAE6; Q5VX59; Q86Y17; Q8IWM4; A6NKG7
UniProt Related Accession #	P59103
GenBank Nucleotide #	NM_001161812.1
NCBI Official Full Name	D-amino acid oxidase activator isoform 2
NCBI Official Synonym Full Names	D-amino acid oxidase activator
NCBI Official Symbol	DAOA
NCBI Official Synonym Symbols	LG72; SG72
UniProt Protein Name	D-amino acid oxidase activator
UniProt Synonym Protein Names	Protein G72
Protein Family	D-amino acid oxidase activator
UniProt Gene Name	DAOA
UniProt Synonym Gene Names	G72
NCBI Protein Information	D-amino acid oxidase activator

NCBI Summary for DAOA	This gene encodes a protein that may function as an activator of D-amino acid oxidase, which degrades the gliotransmitter D-serine, a potent activator of N-methyl-D-aspartate (NMDA) type glutamate receptors. Studies also suggest that one encoded isoform may play a role in mitochondrial function and dendritic arborization. Polymorphisms in this gene have been implicated in susceptibility to schizophrenia and bipolar affective disorder. Alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, Mar 2011]
UniProt Comments for DAOA	Seems to activate D-amino acid oxidase.
Research Articles on DAOA	**1.** In SNP-based single locus association analyses, the rs778292 in the DAOA gene showed significant association with schizophrenia. Additionally, a three-SNP haplotype (rs778292-rs3918342-rs1421292) in the DAOA gene were observed to be significantly associated with schizophrenia in a Taiwanese population.
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