

DAO polyclonal antibody

Catalog # PAB7444

Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of DAO.
Immunogen	A synthetic peptide corresponding to human DAO.
Sequence	C-EEKKLSRMPPSH
Host	Goat
Theoretical MW (kDa)	39.5
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:64000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — DAO

Entrez GeneID [1610](#)

Protein Accession# [NP_001908.3](#)

Gene Name DAO

Gene Alias DAAO, DAMOX, MGC35381, OXDA

Gene Description D-amino-acid oxidase

Omim ID [124050](#) [181500](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes the peroxisomal enzyme D-amino acid oxidase. The enzyme is a flavoprotein which uses flavin adenine dinucleotide (FAD) as its prosthetic group. Its substrates include a wide variety of D-amino acids, but it is inactive on the naturally occurring L-amino acids. Its biological function is not known; it may act as a detoxifying agent which removes D-amino acids that accumulate during aging. In mice, it degrades D-serine, a co-agonist of the NMDA receptor. This gene may play a role in the pathophysiology of schizophrenia. [provided by RefSeq]

Other Designations -

Publication Reference

- [D-amino acid oxidase \(DAO\) genotype and mood symptomatology in schizophrenia.](#)

Corvin A, Donohoe G, McGhee K, Murphy K, Kenny N, Schwaiger S, Nangle JM, Morris D, Gill M.

Neuroscience Letters 2007 Oct; 426(2):97.

Pathway

- [Arginine and proline metabolism](#)
- [D-Arginine and D-ornithine metabolism](#)
- [Glycine](#)
- [Metabolic pathways](#)

Disease

- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Brief Psychiatric Rating Scale](#)
- [Celiac Disease](#)
- [Cognition](#)
- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Intelligence Tests](#)
- [Mood Disorders](#)
- [Neuropsychological Tests](#)
- [Personality Tests](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Schizotypal Personality Disorder](#)
- [Weight Gain](#)