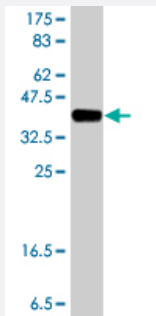


DAO polyclonal antibody (A01)

Catalog # H00001610-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (37.11 kDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant DAO.
Immunogen	DAO (NP_001908, 119 a.a. ~ 218 a.a) partial recombinant protein with GST tag.
Sequence	PRELDMFPDYGYGWFHTSLILEGKNYLQWLTERLTERGVKFFQRKVESFEEVAREGADVIVNCTG VWAGALQRDPLLQPGRGQIMKVDAPWMKHFILTHD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (79)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 kDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — DAO

Entrez GeneID [1610](#)

GeneBank Accession# [NM_001917](#)

Protein Accession# [NP_001908](#)

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 -

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](#)