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Datasheet for ABIN657862

anti-D Amino Acid Oxidase antibody (AA 259-287)

1 Image

Overview

Quantity:	400 µL
Target:	D Amino Acid Oxidase (DAO)
Binding Specificity:	AA 259-287
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This D Amino Acid Oxidase antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This DAO antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 259-287 amino acids from the Central region of human DAO.
Clone:	RB21621
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	D Amino Acid Oxidase (DAO)
Alternative Name:	D-Amino-Acid Oxidase (DAO Products)
Background:	This gene encodes the peroxisomal enzyme D-amino acid oxidase. The enzyme is a

Target Details

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.

Molecular Weight: 39474

Gene ID: 1610

NCBI Accession: [NP_001908](#)

UniProt: [P14920](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

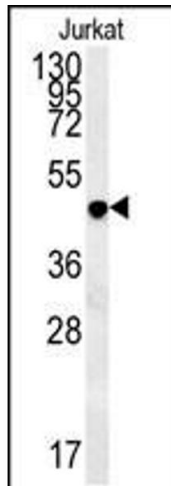
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: DAO Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



Western Blotting

Image 1. DAO Antibody (Center) (ABIN657862 and ABIN2846818) western blot analysis in Jurkat cell line lysates (35 µg/lane). This demonstrates the DAO antibody detected the DAO protein (arrow).