

Datasheet for ABIN7261257

anti-D Amino Acid Oxidase antibody**2** Images[Go to Product page](#)

Overview

Quantity:	200 µL
Target:	D Amino Acid Oxidase (DAO)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This D Amino Acid Oxidase antibody is un-conjugated
Application:	Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein of human DAO (NP_001908.3).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	D Amino Acid Oxidase (DAO)
Alternative Name:	DAO (DAO Products)
Background:	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-

Target Details

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.

Gene ID: 1610

UniProt: [P14920](#)

Application Details

Application Notes: IF 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

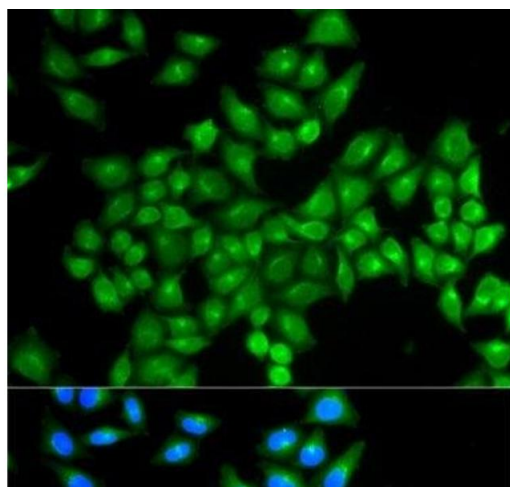
Preservative: Sodium azide

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

Storage: -20 °C

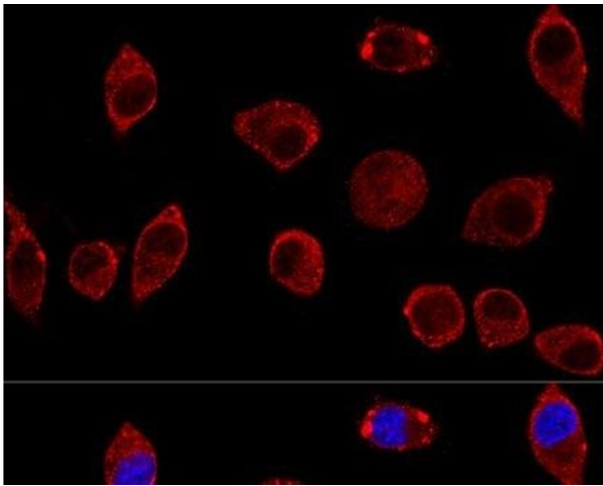
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of MCF-7 cells using DAO Polyclonal Antibody



Immunofluorescence

Image 2. Confocal immunofluorescence analysis of L929 cells using DAO Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.