Datasheet for ABIN768647

anti-D Amino Acid Oxidase antibody (AA 286-298)

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	100 µg
Target:	D Amino Acid Oxidase (DAO)
Binding Specificity:	AA 286-298
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This D Amino Acid Oxidase antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	D-amino-acid oxidase (aa286-298)
Immunogen:	Peptide with sequence C-RPQIRLEREQLRT, from the internal region of the protein sequence according to NP_001908.3.
Sequence:	RPQIRLEREQ LRT
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Pig
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	D Amino Acid Oxidase (DAO)
Alternative Name:	DAO (DAO Products)
Background:	DAO, D-amino-acid oxidase, DAAO, DAMOX, MGC35381, OXDA
Molecular Weight:	39.5kDa according to NP_001908.3
Gene ID:	1610
NCBI Accession:	NP_001908

Application Details

Application Notes:	Western Blot: Approx 37 kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 39.5 kDa according to NP_001908.3). Recommended concentration: 0.03-0.01 µg/mL. Peptide ELISA: antibody detection limit dilution 1:16000.
Restrictions:	For Research Use only

Handling

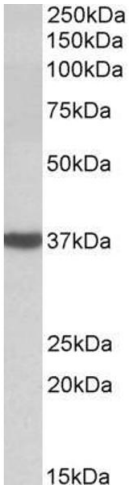
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

Product cited in:	Sasabe, Miyoshi, Rakoff-Nahoum, Zhang, Mita, Davis, Hamase, Waldor: "Interplay between microbial d-amino acids and host d-amino acid oxidase modifies murine mucosal defence and gut microbiota." in: **Nature microbiology**, Vol. 1, Issue 10, pp. 16125, (2018) (PubMed).

Publications

Images



Western Blotting

Image 1. ABIN768647 (0.03µg/ml) staining of Human Cerebellum lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.