Datasheet for ABIN2776922

anti-ALAD antibody (Middle Region)

3 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	ALAD
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio), Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALAD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ALAD
Sequence:	SVMSYSAKFA SCFYGPFRDA AKSSPAFGDR RCYQLPPGAR GLALRAVDRD
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 93%, Yeast: 86%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against ALAD. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ALAD

Copyright antibodies-online. All rights reserved.

Target Details

Alternative Name:	ALAD (ALAD Products)
Background:	The ALAD enzyme is composed of 8 identical subunits and catalyzes the condensation of 2 Molecules of delta-aminolevulinate to form porphobilinogen (a precursor of heme, cytochromes and other hemoproteins). ALAD catalyzes the second step in the porphyrin and heme biosynthetic pathway, zinc is essential for enzymatic activity. ALAD enzymatic activity is inhibited by lead and a defect in the ALAD structural gene can cause increased sensitivity to lead poisoning and acute hepatic porphyria.The ALAD enzyme is composed of 8 identical subunits and catalyzes the condensation of 2 Molecules of delta-aminolevulinate to form porphobilinogen (a precursor of heme, cytochromes and other hemoproteins). ALAD catalyzes the second step in the porphyrin and heme biosynthetic pathway, zinc is essential for enzymatic activity. ALAD enzymatic activity is inhibited by lead and a defect in the ALAD structural gene can cause increased sensitivity to lead poisoning and acute hepatic porphyria. Alternatively spliced transcript variants encoding different isoforms have been identified. Alias Symbols: ALADH, MGC5057, PBGS Protein Interaction Partner: C14orf142, P3H1, RPRD1B, PPME1, LAP3, DBNL, HSPBP1, GPN1, WDR4, ACTR2, TOM1L1, ZPR1, OGT, SURF2, LPP, AGFG1, UBD, UBC, ALAD, Protein Size: 359
Molecular Weight:	39 kDa
Gene ID:	210
NCBI Accession:	NM_001003945, NP_001003945
UniProt:	Q6ZMU0

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 359 AA
Restrictions:	For Research Use only

Handling

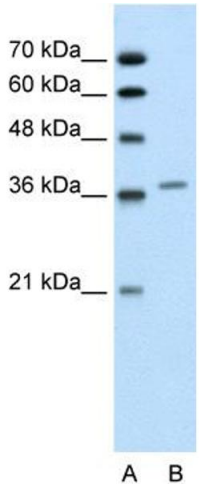
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Copyright antibodies-online. All rights reserved.

Handling

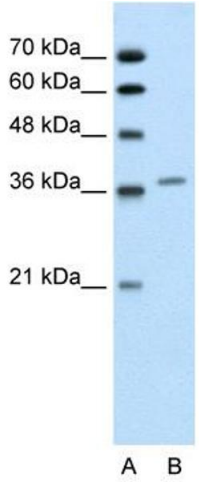
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-ALAD Antibody Titration: 0.2-1 ug/ml Positive Control: Jurkat cell lysate ALAD is supported by BioGPS gene expression data to be expressed in Jurkat



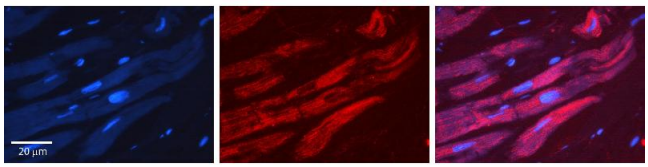
Western Blotting

Image 2. WB Suggested Anti-ALAD

Antibody Titration: 0.2-1 µg/mL

Positive Control: Jurkat cell lysate

ALAD is supported by BioGPS gene expression data to be expressed in Jurkat



Immunohistochemistry

Image 3. Rabbit Anti-ALAD Antibody Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

 Copyright antibodies-online. All rights reserved.