

Datasheet for ABIN2776921  
**anti-ALAD antibody (N-Term)**[Go to Product page](#)

2 Images

1 Publication

## Overview

Quantity:	100 µL
Target:	ALAD
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALAD antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ALAD
Sequence:	EEMLRPLVEE GLRCVLIFGV PSRVPKDERG SAADSEESPA IEAIHLLRKT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 93%
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
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## Target Details

Alternative Name:	ALAD ( <a href="#">ALAD Products</a> )
Background:	<p>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.</p> <p>Alias Symbols: ALADH, MGC5057, PBGS</p> <p>Protein Interaction Partner: C14orf142, P3H1, RPRD1B, PPME1, LAP3, DBNL, HSPBP1, GPN1, WDR4, ACTR2, TOM1L1, ZPR1, OGT, SURF2, LPP, AGFG1, UBD, UBC, ALAD,</p> <p>Protein Size: 359</p>
Molecular Weight:	39 kDa
Gene ID:	210
NCBI Accession:	<a href="#">NM_001003945</a> , <a href="#">NP_001003945</a>
UniProt:	<a href="#">Q6ZMU0</a>

## 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.

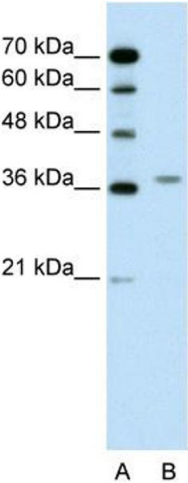
## Handling

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.

## Publications

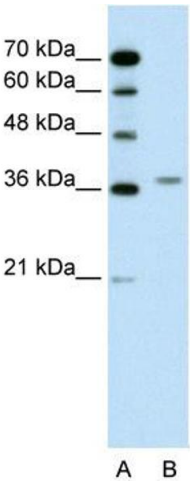
Product cited in:	Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer, Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). ..." in: <b>Genome research</b> , Vol. 14, Issue 10B, pp. 2121-7, (2004) ( <a href="#">PubMed</a> ).
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## 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