Datasheet for ABIN2776920

anti-ALAD antibody (N-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	ALAD
Binding Specificity:	N-Term
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)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ALAD
Sequence:	QPQSVLHSGY FHPLLRAWQT ATTTLNASNL IYPIFVTDVP DDIQPITSLP
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 93%, Yeast: 77%, Zebrafish: 83%
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

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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. 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: 339
Molecular Weight:	37 kDa
Gene ID:	210
NCBI Accession:	NM_000031, NP_000022
UniProt:	P13716

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 339 AA
Restrictions:	For Research Use only

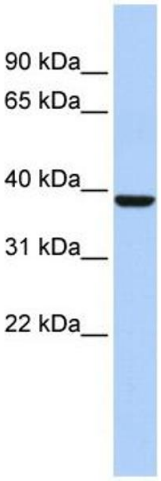
Handling

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

Handling

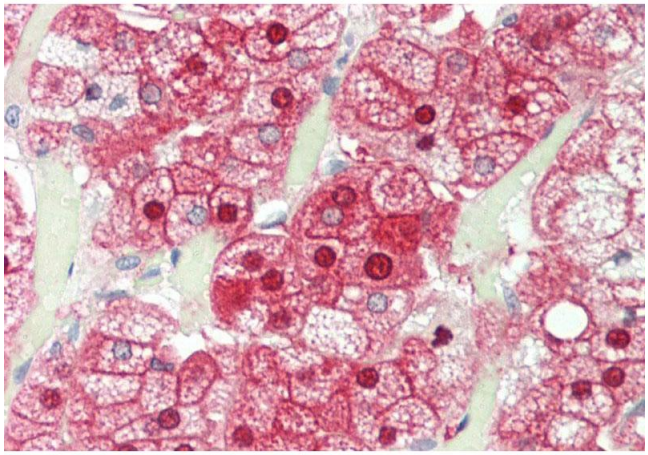
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1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

Validation report #101227 for Western Blotting (WB)



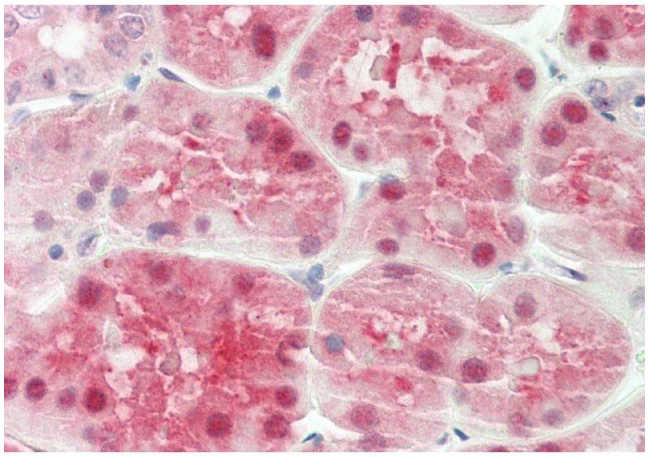
Western Blotting

Image 1. WB Suggested Anti-ALAD Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human heart



Immunohistochemistry

Image 2. Rabbit Anti-ALAD antibody Formalin Fixed Paraffin Embedded Tissue: Human Adrenal Primary antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20x Exposure Time: 0.5-2.0sec



Immunohistochemistry

Image 3. Rabbit Anti-ALAD antibody Formalin Fixed Paraffin Embedded Tissue: Human Kidney Primary antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20x Exposure Time: 0.5-2.0sec