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## Datasheet for ABIN390809 anti-ALAD antibody (C-Term)

3 Images



### Overview

Quantity:	400 μL
Target:	ALAD
Binding Specificity:	AA 244-272, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALAD antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This ALAD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 244-272 amino acids from the C-terminal region of human ALAD.
Clone:	RB20913
lsotype:	Ig Fraction
Predicted Reactivity:	Pr
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

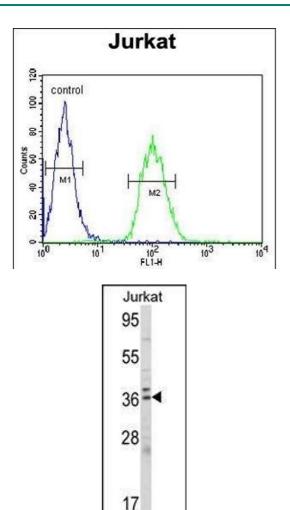
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ALAD

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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.
Molecular Weight:	36295
Gene ID:	210
NCBI Accession:	NP_000022
UniProt:	P13716
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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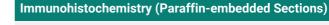


#### **Flow Cytometry**

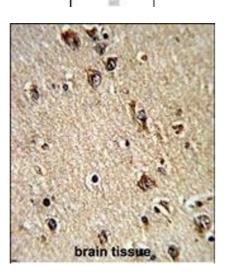
**Image 1.** ALAD Antibody (C-term) (ABIN390809 and ABIN2841046) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### Western Blotting

**Image 2.** Western blot analysis of ALAD Antibody (C-term) (ABIN390809 and ABIN2841046) in Jurkat cell line lysates (35 µg/lane). ALAD (arrow) was detected using the purified Pab.



**Image 3.** Formalin-fixed and paraffin-embedded human brain tissue reacted with ALAD Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



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