

ALAD Rabbit pAb

Catalog No.: A8398

Basic Information

Observed MW

35kDa

Calculated MW

36kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human

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. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

210

Swiss Prot

P13716

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-330 of human ALAD (NP_000022.3).

Synonyms

PBGS; ALADH; ALAD

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

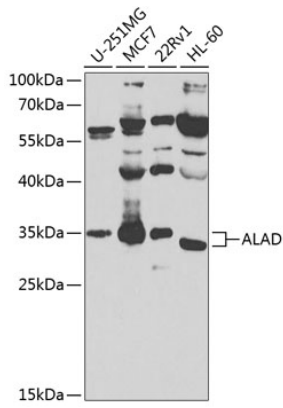
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using ALAD antibody (A8398) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.