

Product datasheet for TA373428S

ALAD Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ICC/IF, WB

Recommended Dilution: WB,1:500 - 1:2000

IF,1:50 - 1:200

Reactivity: Human, Mouse

Modifications: Unmodified

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 1-330 of

human ALAD (NP_000022.3).

Formulation: Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Concentration: lot specific

Purification: Affinity purification

Conjugation: Unconjugated

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

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 36kDa/39kDa

Gene Name: aminolevulinate dehydratase

Database Link: Entrez Gene 210 Human

P13716

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.



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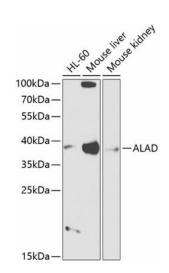
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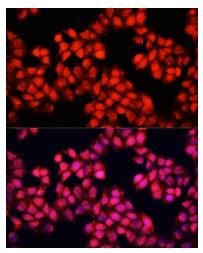
Synonyms:

ALADH; MGC5057; PBGS

Product images:



Western blot analysis of extracts of various cell lines, using ALAD antibody ([TA373428]) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 90s.



Immunofluorescence analysis of HeLa cells using ALAD antibody ([TA373428]) at dilution of 1:100. Blue: DAPI for nuclear staining.