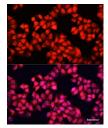
ALAD Polyclonal Antibody

Catalog Number: E-AB-64148



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human,Mouse
Immunogen	Recombinant fusion protein of human ALAD (NP_000022.3).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applications	Recommended Dilution
IF	1:50-1:200
Data	



Immunofluorescence analysis of HeLa cells using ALAD Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Preparation & Storage

Storage

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

Background

The ALAD enzyme is composed of 8 identical subunits and catalyzes the condensation of 2 molecules of deltaaminolevulinate 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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