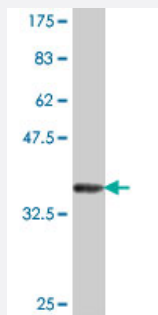


ALAD polyclonal antibody (A01)

Catalog # H00000210-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (36.89 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ALAD.
Immunogen	ALAD (NP_000022, 241 a.a. ~ 338 a.a) partial recombinant protein with GST tag.
Sequence	GLALRAVDRDVREGADMLMVKPGMPYLDIVREVKDKHPDLPLAVYHVSGEFAMLWHGAQAGAF DLKAAVLEAMTAFRRAGADIIITYYTPQLLQWLKE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (84)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.89 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ALAD

Entrez GeneID [210](#)

GeneBank Accession# [NM_000031](#)

Protein Accession# [NP_000022](#)

Gene Name ALAD

Gene Alias ALADH, MGC5057, PBGS

Gene Description aminolevulinate, delta-, dehydratase

Omim ID [125270](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations aminolevulinate dehydratase|delta-aminolevulinic acid dehydratase|porphobilinogen synthase

Pathway

- [Metabolic pathways](#)
- [Porphyrin and chlorophyll metabolism](#)

Disease

- [Amyotrophic lateral sclerosis](#)
- [Bone Resorption](#)

- [Brain Neoplasms](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [DNA Damage](#)
- [Essential tremor](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Hypertension](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Lead Poisoning](#)
- [Lung Neoplasms](#)
- [Meningioma](#)
- [Mental Disorders](#)
- [Mental Recall](#)
- [Mental Status Schedule](#)
- [Motor Skills](#)
- [Neuropsychological Tests](#)
- [Occupational Diseases](#)
- [Psychomotor Performance](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)