DNAxPAb | Hard-to-Find Antibody

ALAD DNAxPab

Catalog # H00000210-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ALAD DNA using DNAx™ Immune tec hnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MPLCPLAHAMQPQSVLHSGYFHPLLRAWQTATTTLNASNLIYPIFVTDVPDDIQPITSLPGVARYGV KRLEEMLRPLVEEGLRCVLIFGVPSRVPKDERGSAADSEESPAIEAIHLLRKTFPNLLVACDVCLC PYTSHGHCGLLSENGAFRAEESRQRLAEVALAYAKAGCQVVAPSDMMDGRVEAIKEALMAHGL GNRVSVMSYSAKFASCFYGPFRDAAKSSPAFGDRRCYQLPPGARGLALRAVDRDVREGADML MVKPGMPYLDIVREVKDKHPDLPLAVYHVSGEFAMLWHGAQAGAFDLKAAVLEAMTAFRRAGA DIIITYYTPQLLQWLKEE
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (89); Rat (88)
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — ALAD

Entrez GeneID	210
GeneBank Accession#	NM_000031.4
Protein Accession#	NP_000022.2
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