

## Datasheet

### ALAD MaxPab mouse polyclonal antibody (B01)

**Catalog Number:** H00000210-B01

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse polyclonal antibody raised against a full-length human ALAD protein.

**Immunogen:** ALAD (NP\_000022, 1 a.a. ~ 339 a.a)  
full-length human protein.

**Sequence:**

MPLCPLAHAMQPQSVLHSGYFHPLLRAWQTATTTLNA  
SNLIYPIFVTDVPDDIQPITSLPGVARYGVKRLEEMLRP  
LVEEGLRCVLIFGVPSRVPKDERGSAADSEESPAIEAIH  
LLRKTFPNLLVACDVCLCPYTSHGHCGLLSENGAFRA  
EESRQRLAEVALAYAKAGCQVVAPSDMMDGRVEAIKE  
ALMAHGLGNRVSVMSYSKAFSCFYGPFRDAAKSSP  
AFGDRRCYQLPPGARGLALRAVDRDVREGADMLMVK  
PGMPYLDIVREVKDKHPDLPLAVYHVSGEFAMLWHGA  
QAGAFDLKAAVLEAMTAFRRAGADIITYYTPQLLQWL  
KEE

**Host:** Mouse

**Reactivity:** Human

**Applications:** WB-Ti, WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Storage Buffer:** No additive

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 210

**Gene Symbol:** ALAD

**Gene Alias:** ALADH, MGC5057, PBGS

**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]