

For Research Use Only

ALAD Polyclonal antibody

Catalog Number: 31686-1-AP



Basic Information

Catalog Number:

31686-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35649

GenBank Accession Number:

NM_000031.5

GeneID (NCBI):

210

UNIPROT ID:

P13716

Full Name:

aminolevulinate, delta-, dehydratase

Calculated MW:

36kDa, 330aa

Observed MW:

36-39 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:2000-1:12000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells, U-251 cells

Background Information

Delta-aminolevulinic acid dehydratase (ALAD) is also named as Porphobilinogen synthase. ALAD, encoded by the moonlighting gene ALAD, not only participates in the second step of heme biosynthesis, but also inhibits the 26S proteasome (PMID: 35318110). ALAD is involved in tumor progression. For example, ALAD2 allele (ALAD polymorphism) is related to an increased risk for meningioma, and downregulation of ALAD is related to poor prognosis of patients with breast cancer (PMID: 16140629, PMID: 28403546).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

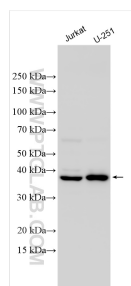
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31686-1-AP (ALAD antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.