

For Research Use Only

ALAD Polyclonal antibody, PBS Only

Catalog Number: 31686-1-PBS



Basic Information

Catalog Number:

31686-1-PBS

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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

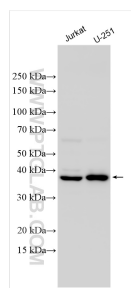
T: 4006900926

E: Proteintech-CN@ptglab.com

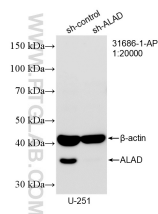
W: ptgcn.com

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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. This data was developed using the same antibody clone with 31686-1-PBS in a different storage buffer formulation.



WB result of ALAD antibody (31686-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ALAD transfected U-251 cells. This data was developed using the same antibody clone with 31686-1-PBS in a different storage buffer formulation.