

For Research Use Only

ALAD Polyclonal antibody, PBS Only

Catalog Number: 31686-1-PBS



Basic Information

Catalog Number: 31686-1-PBS	GenBank Accession Number: NM_000031.5	Purification Method: Antigen affinity Purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 210	
Source: Rabbit	UNIPROT ID: P13716	
Isotype: IgG	Full Name: aminolevulinate, delta-, dehydratase	
Immunogen Catalog Number: AG35649	Calculated MW: 36kDa 330aa	
	Observed MW: 36-39 kDa	

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.

Storage Buffer:
PBS only, pH7.3

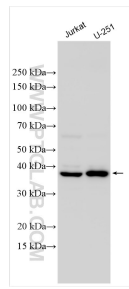
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

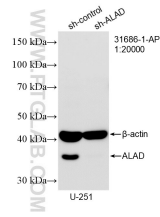
E: proteintech@ptglab.com
W: ptglab.com

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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.