

For Research Use Only

ALAS2 Polyclonal antibody

Catalog Number: 30539-1-AP



Basic Information

Catalog Number:

30539-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30308

GenBank Accession Number:

BC030230

GeneID (NCBI):

212

UNIPROT ID:

P22557

Full Name:

aminolevulinate, delta-, synthase 2

Calculated MW:

587 aa, 65 kDa

Observed MW:

65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, Mouse

Positive Controls:

WB : K-562 cells, NIH/3T3 cells, mouse brain tissue, mouse heart tissue

Background Information

The heme biosynthetic pathway begins from delta aminolevulinic acid synthase (ALAS) catalyzing the condensation of glycine and succinyl-CoA to delta aminolevulinic acid (ALA) in the mitochondria. ALAS is coded by two genes: ALAS1 and ALAS2. ALAS1 is ubiquitously expressed in all cells, and the negative feedback is regulated by the heme pool; however, ALAS2 is specifically expressed only in erythroid cells.

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:

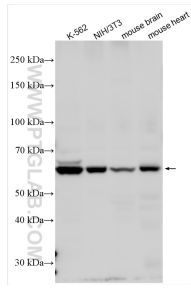
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30539-1-AP (ALAS2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.