

For Research Use Only

# ALAS2 Polyclonal antibody

Catalog Number: 30539-1-AP



## Basic Information

**Catalog Number:**

30539-1-AP

**Size:**

150ul , Concentration: 650 ug/ml by Nanodrop;

**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

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IF/ICC, ELISA

**Species Specificity:**

human, mouse

**Positive Controls:**

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

IF/ICC : HEK-293 cells,

## 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

\*\*\* 20ul sizes contain 0.1% BSA

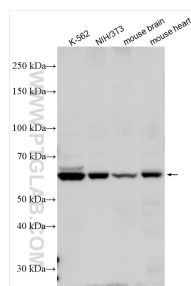
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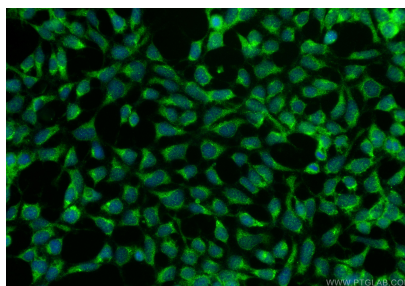
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## Selected Validation Data



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.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using ALAS2 antibody (30539-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).