

Datasheet for ABIN1449876

anti-ALAS2 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	ALAS2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Zebrafish (Danio rerio), Xenopus laevis
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALAS2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Synthetic peptide directed towards the C terminal of human ALAS2
Sequence:	VRLLKGEEGQ ALRRAHQRNV KHMRQLLMDR GLPVIPCP SH IIPIRVGNA A
Cross-Reactivity (Details):	Species reactivity (expected): Mouse, Rat, Bovine, African clawed frog, Zebrafish Species reactivity (tested): Human
Purification:	Purified using peptide immunoaffinity column

Target Details

Target:	ALAS2
Alternative Name:	ALAS2 (ALAS2 Products)
Background:	ALAS2 specifies an erythroid-specific mitochondrially located enzyme. It catalyzes the first step

Target Details

in the heme biosynthetic pathway. Defects in this gene cause X-linked pyridoxine-responsive sideroblastic anemia. The product of this gene specifies an erythroid-specific mitochondrially located enzyme. The encoded protein catalyzes the first step in the heme biosynthetic pathway. Defects in this gene cause X-linked pyridoxine-responsive sideroblastic anemia. Alternatively spliced transcript variants encoding different isoforms have been identified. Synonyms: 5-aminolevulinate synthase erythroid-specific mitochondrial, 5-aminolevulinic acid synthase, ALASE, ASB, Delta-ALA synthetase, Delta-aminolevulinate synthase

Gene ID: 212

NCBI Accession: [NP_000023](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

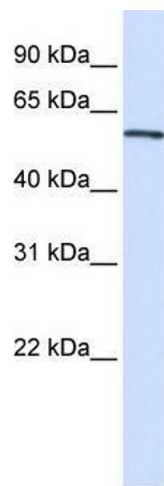
Handling

Reconstitution: Add 50 µL of distilled water to a final concentration of 1 mg/mL.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store lyophilized at 2-8 °C or at -20 °C long term. After reconstitution store the antibody undiluted at 2-8 °C for up to one month or in aliquots at -20 °C long term.



Western Blotting

Image 1. Transfected 293T; WB Suggested Anti-ALAS2 Antibody Titration: 0.2-1 ug/ml. ELISA Titer: 1:312500. Positive Control: Transfected 293T; ALAS2 antibody - C-terminal region in Transfected 293T cells using Western Blot