

Datasheet for ABIN631001

anti-ALAS1 antibody (N-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	ALAS1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALAS1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	ALAS1 antibody was raised using the N terminal of ALAS1 corresponding to a region with amino acids ETSAGPSVSVKTDGGDPSGLLKNFQDIMQKQRPERVSHLLQDNLPKSVS
Specificity:	ALAS1 antibody was raised against the N terminal of ALAS1
Purification:	Affinity purified

Target Details

Target:	ALAS1
Alternative Name:	ALAS1 (ALAS1 Products)
Background:	Delta-aminolevulinate synthase (ALAS, EC 2.3.1.37) catalyzes the condensation of glycine with succinyl-CoA to form delta-aminolevulinic acid. This nuclear-encoded mitochondrial enzyme is the first and rate-limiting enzyme in the mammalian heme biosynthetic pathway. There are 2

Target Details

tissue-specific isozymes: a housekeeping enzyme encoded by the ALAS1 gene and an erythroid tissue-specific enzyme encoded by ALAS2.

Molecular Weight: 70 kDa (MW of target protein)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Application Notes: WB: 1 µg/mL
Optimal conditions should be determined by the investigator.

Comment: ALAS1 Blocking Peptide, catalog no. 33R-2769, is also available for use as a blocking control in assays to test for specificity of this ALAS1 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of ALAS1 antibody in PBS

Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Western Blotting

Image 1. ALAS1 antibody used at 1 ug/ml to detect target protein.