

Datasheet for ABIN631001 anti-ALAS1 antibody (N-Term)

1 Image



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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 ETSAGPSVVSVKTDGGDPSGLLKNFQDIMQKQRPERVSHLLQDNLPKSVS
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

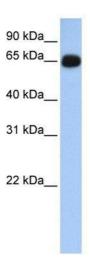
	tissue-specific isozymes: a housekeeping enzyme encoded by the ALAS1 gene and an erythroid tissue-specific enzyme encoded by ALAS2.
Molecular Weight:	70 kDa (MW of target protein)
Pathways:	Regulation of Lipid Metabolism by PPARalpha

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:	nt: 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.