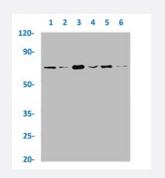


RecomAb™

ALAS1 recombinant monoclonal antibody, clone 2A9

Catalog # RAB04390 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: Hela whole cell lysate, Lane 2: HepG2 whole cell lysate, Lane 3: Raji whole cell lysate, Lane 4: PC3 whole cell lysate, Lane 5: A549 whole cell lysate and Lane 6: MCF-7 whole cell lysate with ALAS1 recombinant monoclonal antibody, clone 2A9 (Cat # RAB04390).

Specification	
Product Description	Rabbit recombinant monoclonal antibody raised against human ALAS1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human ALAS1.
Theoretical MW (kDa)	Calculated MW: 71, 1
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
lsotype	lgG
Recommend Usage	ELISA Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 50% glycerol and 0.02% sodium azide)

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Product Information

Storage Instruction

Aliquot to avoid repeated freezing and thawing.

Store at -20°C or -80°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

Western Blot

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• Enzyme-linked Immunoabsorbent Assay

Gene Info — ALAS1

Entrez GenelD	<u>211</u>
Protein Accession#	<u>P13196</u>
Gene Name	ALAS1
Gene Alias	ALAS, ALAS3, ALASH, MIG4
Gene Description	aminolevulinate, delta-, synthase 1
Omim ID	<u>125290</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	Delta-aminolevulinate synthase (ALAS; EC 2.3.1.37) catalyzes the condensation of glycine with s uccinyl-CoA to form delta-aminolevulinic acid. This nuclear-encoded mitochondrial enzyme is the f irst and rate-limiting enzyme in the mammalian heme biosynthetic pathway. There are 2 tissue-sp ecific isozymes: a housekeeping enzyme encoded by the ALAS1 gene and an erythroid tissue-sp ecific enzyme encoded by ALAS2 (MIM 301300).[supplied by OMIM
Other Designations	aminolevulinate, delta, synthase 1 migration-inducing protein 4

Pathway

Glycine

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- Metabolic pathways
- Porphyrin and chlorophyll metabolism

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema