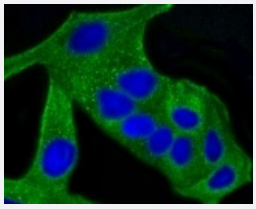
RecomAb™ Sm Size

ALAS1 recombinant monoclonal antibody

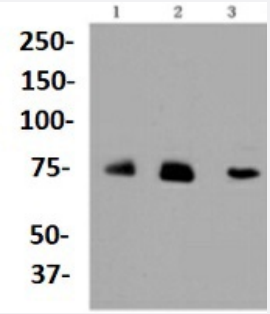
Catalog # RAB09336 Size 50 uL

Applications



Immunocytochemistry

Immunocytochemical staining of HeLa cells using ALAS1 recombinant monoclonal antibody (Cat # RAB09336)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.



Western Blot (Cell lysate)

Western blot analysis of Lane1:JAR whole cell lysate Lane2:HUVEC whole cell lysate Lane3:Hela whole cell lysate with ALAS1 recombinant monoclonal antibody (Cat # RAB09336) at 1:1000 dilution.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against ALAS1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant ALAS1.
Theoretical MW (kDa)	71
Reactivity	Human
Specificity	This antibody detects endogenous levels of ALAS and does not cross-react with related proteins.

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Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS , pH7.2 (0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunocytochemistry

  Immunocytochemical staining of HeLa cells using ALAS1 recombinant monoclonal antibody (Cat # RAB09336)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

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Gene Info — ALAS1

Entrez GeneID	211
Protein Accession#	P13196
Gene Name	ALAS1
Gene Alias	ALAS, ALAS3, ALASH, MIG4
Gene Description	aminolevulinate, delta-, synthase 1
Omim ID	125290

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Gene Ontology	Hyperlink
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
- Metabolic pathways
- Porphyrin and chlorophyll metabolism

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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