

KD-Validated Anti-ALAS1 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1174**Specification****KD-Validated Anti-ALAS1 Rabbit Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	P13196
Reactivity	Rat, Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 71 kDa , observed, 71 kDa KDa
Gene Name	ALAS1
Aliases	ALAS1; 5'-Aminolevulinate Synthase 1; ALAS-H; ALAS3; 5-Aminolevulinate Synthase, Non-Specific, Mitochondrial; Aminolevulinate, Delta-, Synthase 1; 5-Aminolevulinic Acid Synthase 1; Delta-Aminolevulinate Synthase 1; Delta-ALA Synthase 1; EC 2.3.1.37; ALASH; ALAS; 5-Aminolevulinate Synthase, Nonspecific, Mitochondrial; Migration-Inducing Protein 4; EC 2.3.1; MIG4
Immunogen	A synthesized peptide derived from human Alas1

KD-Validated Anti-ALAS1 Rabbit Monoclonal Antibody - Additional Information

Gene ID	211
Other Names	
5-aminolevulinate synthase, non-specific, mitochondrial, ALAS-H, 2.3.1.37, 5-aminolevulinic acid synthase 1, Delta-ALA synthase 1, Delta-aminolevulinate synthase 1, ALAS1, ALAS3, ALASH	

KD-Validated Anti-ALAS1 Rabbit Monoclonal Antibody - Protein Information**Name** ALAS1**Synonyms** ALAS3, ALASH**Function**

Catalyzes the pyridoxal 5'-phosphate (PLP)-dependent condensation of succinyl-CoA and glycine to form aminolevulinic acid (ALA), with CoA and CO₂ as by-products.

Cellular Location

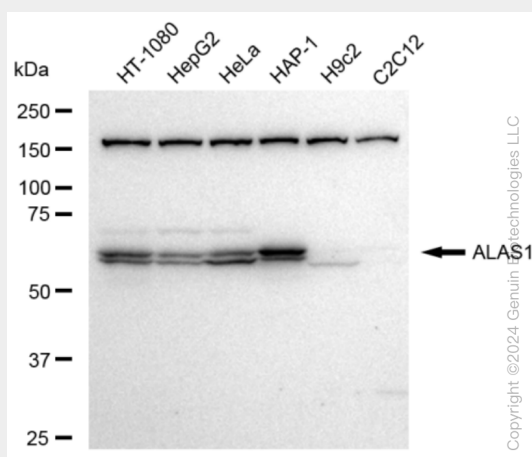
Mitochondrion inner membrane {ECO:0000250|UniProtKB:P22557}; Peripheral membrane protein {ECO:0000250|UniProtKB:P22557}. Note=Localizes to the matrix side of the mitochondrion inner membrane. {ECO:0000250|UniProtKB:P22557}

KD-Validated Anti-ALAS1 Rabbit Monoclonal Antibody - Protocols

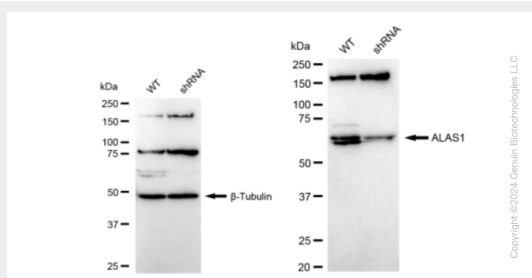
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-ALAS1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-ALAS1 antibody (Cat#AGI1174). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ALAS1 antibody (Cat#AGI1174, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-ALAS1 antibody (Cat#AGI1174). ALAS1 expression in wild type (WT) and ALAS1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-ALAS1 antibody (Cat#AGI1174, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.