

KD-Validated Anti-ALAS1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1174

Product Information

Application	WB
Primary Accession	P13196
Reactivity	Rat, Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB3190
Calculated MW	70581
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

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

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 CO ₂ 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}

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