

Rabbit anti-Human ALAS1 Polyclonal Antibody | anti-ALAS1 antibody

ALAS1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323649	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

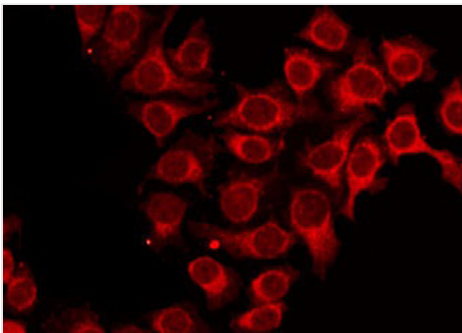
PRODUCT SYNONYMS

ALAS1; Polyclonal Antibody; ALAS1 Antibody; 5 aminolevulinate synthase; 5 aminolevulinate synthase nonspecific mitochondrial; 5 aminolevulinic acid synthase; 5-aminolevulinate synthase; 5-aminolevulinic acid synthase 1; Alas 1; ALAS 3; ALAS; ALAS H; ALAS HOUSEKEEPING TYPE; ALAS N; ALAS-H; alaS1; ALAS3; ALASH; Aminolevulinate delta synthase 1; Aminolevulinic acid synthase 1; Delta ALA synthetase; Delta aminolevulinate synthase; Delta-ALA synthase 1; Delta-aminolevulinate synthase 1; HEM1_HUMAN; MIG 4; MIG4; Migration inducing protein 4; mitochondrial; nonspecific; anti-ALAS1 antibody

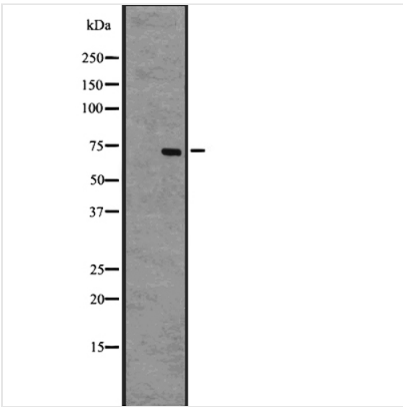
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Alas1 antibody detects endogenous levels of total Alas1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	640
Applicable Applications for anti-ALAS1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Alas1
Subcellular Location	Mitochondrion Matrix.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (92%), Zebrafish (92%), Bovine (83%), Horse (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA323649 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of Alas1 using HUVEC whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-ALAS1 antibody	Function: There are two delta-ALA synthases in vertebrates: an erythroid-specific form and one (housekeeping) which is expressed in all tissues. Subunit Structure: Homodimer. Similarity: Belongs to the class-II pyridoxal-phosphate-dependent aminotransferase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502025
NCBI GeneID	211
NCBI Accession #	NP_000679.1
NCBI GenBank Nucleotide #	NM_000688.5
UniProt Accession #	P13196
Molecular Weight	Observed: 71 kDa Predicted: 71 kDa
NCBI Official Full Name	5-aminolevulinate synthase, nonspecific, mitochondrial isoform 1
NCBI Official Synonym Full Names	5'-aminolevulinate synthase 1
NCBI Official Symbol	ALAS1
NCBI Official Synonym Symbols	ALAS; MIG4; ALAS3; ALASH; ALAS-H
NCBI Protein Information	5-aminolevulinate synthase, nonspecific, mitochondrial
UniProt Protein Name	5-aminolevulinate synthase, nonspecific, mitochondrial
UniProt Gene Name	ALAS1
UniProt Synonym Gene Names	ALAS3; ALASH; ALAS-H

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.