

Mouse ALAS2 Monoclonal Antibody | anti-ALAS2 antibody

ALAS2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA311975	Mouse	Human, Mouse, Rat	Immunohistochemistry, Immunofluorescence, Immunoprecipitation, Western Blot

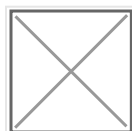
PRODUCT SYNONYMS

ALAS2; Monoclonal Antibody; ALAS2 Antibody; 5 aminolevulinate synthase erythroid specific antibody; 5 aminolevulinate synthase 2 antibody; 5 aminolevulinate synthase 5 aminolevulinate synthase 2 antibody; 5 aminolevulinate synthase erythroid specific mitochondrial antibody; 5 aminolevulinic acid synthase 2 antibody; 5 aminolevulinic acid synthase antibody; 5-aminolevulinate synthase antibody; 5-aminolevulinic acid synthase 2 antibody; Alas 2 antibody; ALAS antibody; ALAS E antibody; ALAS; erythroid antibody; ALAS-E antibody; Alas2 antibody; ALASE antibody; Aminolevulinate delta synthase 2 antibody; Aminolevulinic acid synthase 2; ANH1 antibody; ASB antibody; Delta ALA synthase 2 antibody; Delta ALA synthetase antibody; Delta aminolevulinate synthase 2 antibody; Delta aminolevulinate synthase antibody; Delta-ALA synthase 2 antibody; Delta-aminolevulinate synthase 2 antibody; Erythroid specific ALAS antibody; erythroid-specific antibody; FLJ93603 antibody; HEM0_HUMAN antibody; mitochondrial antibody; OTTHUMP00000023388 antibody; OTTHUMP00000023389 antibody; OTTMUSP00000020679 antibody; RP23-338A17.1 antibody; SIDBA1 antibody; XLDPP antibody; XLEPP antibody; XLSA antibody; anti-ALAS2 antibody

PRODUCT SPECIFICATIONS

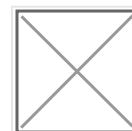
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	12-D
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-ALAS2 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



Application Data

Immunoperoxidase staining of formalin fixed, paraffin-embedded human cervix tissue showing cytoplasmic staining of squamous epithelial cells.



WB (Western Blot)

Western blot analysis of ALAS-E expression in non-transfected (A) and human ALAS-E transfected (B) 293T whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-ALAS2 antibody	5-aminolevulinate synthase 1 (ALAS-H) and 2 (ALAS-E) are two isoforms of ALAS, an enzyme catalyzing the first step of the heme biosynthetic pathway in mammals. The erythroid-specific isoenzyme, ALAS-E, regulates the first step of hematopoietic cell differentiation and iron metabolism in the liver. ALAS-H is a housekeeping protein which mediates synthesis of early heme in the mitochondria of most cells. Succinyl CoA associates with ALAS-E in protein conformation change and translocation of ALAS-E into the mitochondria and does not interact with ALAS-H. The ALAS-E 5'-flanking region contains binding sites for nuclear activators such as GATA-1, NF-E2 and EKLF. Since the ALAS gene maps to the X chromosome, mutation of the gene leads to the pyridoxine-refractory X-linked sideroblastic anemia.
Product Categories/Family for anti-ALAS2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	83977442
NCBI GeneID	212
NCBI Accession #	NP_000023.2
NCBI GenBank Nucleotide #	NM_000032.4
UniProt Accession #	P22557; Q13735; A8K3F0; A8K6C4
Molecular Weight	64,633 Da
NCBI Official Full Name	5-aminolevulinate synthase, erythroid-specific, mitochondrial isoform a
NCBI Official Synonym Full Names	aminolevulinate, delta-, synthase 2
NCBI Official Symbol	ALAS2
NCBI Official Synonym Symbols	ASB; ANH1; XLSA; ALASE; XLDPP; XLEPP; ALAS-E
NCBI Protein Information	5-aminolevulinate synthase, erythroid-specific, mitochondrial; delta-ALA synthase 2; delta-ALA synthetase; 5-aminolevulinic acid synthase 2; delta-aminolevulinate synthase 2
UniProt Protein Name	5-aminolevulinate synthase, erythroid-specific, mitochondrial
UniProt Gene Name	ALAS2
UniProt Synonym Gene Names	ALASE; ASB; ALAS-E
UniProt Entry Name	HEM0_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/alas2-antibody-clone-12-d-immunohistochemistry-immunofluorescence-immunoprecipitation-western-blot-elisa/311975>