

Rabbit ALAS2 Polyclonal Antibody | anti-ALAS2 antibody

ALAS2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279850	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

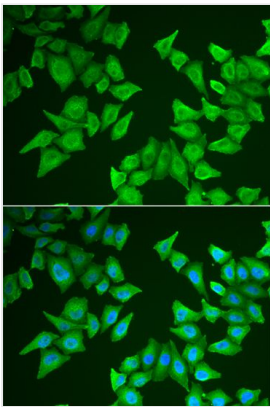
PRODUCT SYNONYMS

ALAS2; Polyclonal Antibody; ALAS2 Polyclonal Antibody; ALAS2: ASB; ANH1; XLSA; ALASE; XLDPP; XLEPP; ALAS-E; anti-ALAS2 antibody

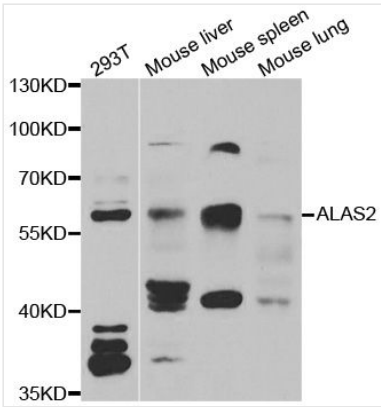
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	587
Applicable Applications for anti-ALAS2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human ALAS2
Calculated Molecular Weight	64kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using ALAS2 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using ALAS2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-ALAS2 antibody	The product of this gene specifies an erythroid-specific mitochondrially located enzyme. The encoded protein catalyzes the first step in the heme biosynthetic pathway. Defects in this gene cause X-linked pyridoxine-responsive sideroblastic anemia. Alternatively spliced transcript variants encoding different isoforms have been identified.
Product Categories/Family for anti-ALAS2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	20141346
NCBI GeneID	212
UniProt Accession #	P22557; Q13735; Q5JZF5; Q8N6H3; A8K3F0; A8K6C4
Molecular Weight	587
NCBI Official Full Name	5-aminolevulinate synthase, erythroid-specific, mitochondrial
NCBI Official Synonym Full Names	5'-aminolevulinate 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; aminolevulinate, delta-, 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.