

Rabbit ALAS1 Polyclonal Antibody | anti-ALAS1 antibody

ALAS1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200359	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish	Western Blot

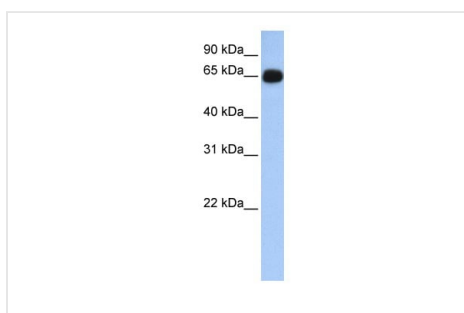
PRODUCT SYNONYMS

ALAS1; Polyclonal Antibody; ALAS1 antibody - N-terminal region; anti-ALAS1 antibody

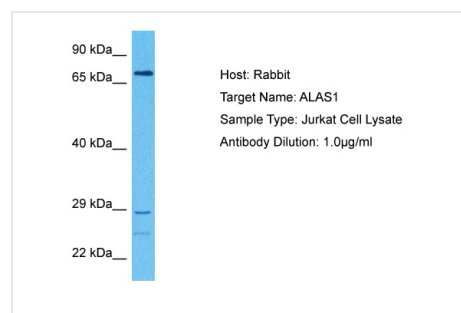
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: ET SAGPSVSVK TDGGDPSGLL KNFQDIMQKQ RPERVSHLLQ DNLPKSVS
Sequence Length	640
Applicable Applications for anti-ALAS1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%; Sheep: 93%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ALAS1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

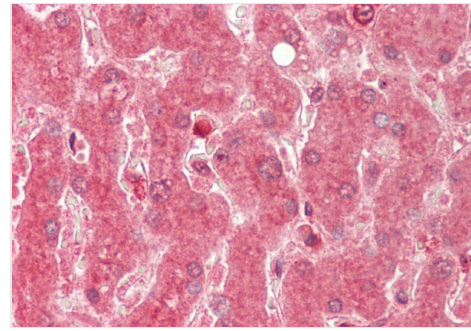
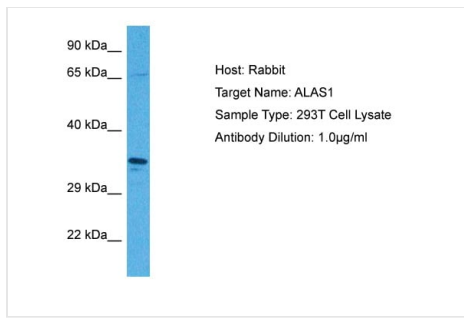


WB (Western Blot)

WB Suggested Anti-ALAS1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:31250
Positive Control: Human Lung


WB (Western Blot)

Host: Rabbit
Target Name: ALAS1
Sample Tissue: Human Jurkat Whole Cell
Antibody Dilution: 1ug/ml



WB (Western Blot)

Host: Rabbit
Target Name: ALAS1
Sample Tissue: Human 293T Whole Cell
Antibody Dilution: 1ug/ml

IHC (Immunohistochemistry)

Rabbit Anti-ALAS1 antibody
Formalin Fixed Paraffin Embedded Tissue: Human Liver
Primary antibody Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20x
Exposure Time: 0.5-2.0sec

ADDITIONAL INFORMATION

Related Product Information for anti-ALAS1 antibody

This is a rabbit polyclonal antibody against ALAS1. It was validated on Western Blot using a cell lysate as a positive control.

Target Description: Delta-aminolevulinate synthase (ALAS; EC 2.3.1.37) catalyzes the condensation of glycine with succinyl-CoA to form delta-aminolevulinic acid. This nuclear-encoded mitochondrial enzyme is the first and rate-limiting enzyme in the mammalian heme biosynthetic pathway. There are 2 tissue-specific isozymes: a housekeeping enzyme encoded by the ALAS1 gene and an erythroid tissue-specific enzyme encoded by ALAS2.

Product Categories/Family for anti-ALAS1 antibody

Polyclonal; Drugs and Drug Metabolism; Chromatin & Nuclear Signaling; Signal Transduction; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502025
NCBI GeneID	211
NCBI Accession #	NP_000679
NCBI GenBank Nucleotide #	NM_000688
UniProt Accession #	P13196
Molecular Weight	70kDa
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
UniProt Entry Name	HEM1_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.