

ARG58186 anti-ALAS1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ALAS1
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ALAS1
Species	Human
Immunogen	Synthetic peptide derived from Human Alas1.
Conjugation	Un-conjugated
Alternate Names	Delta-aminolevulinate synthase 1; 5-aminolevulinic acid synthase 1; ALASH; Delta-ALA synthase 1; ALAS3; 5-aminolevulinate synthase, nonspecific, mitochondrial; ALAS-H; MIG4; ALAS; EC 2.3.1.37

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	
Observed Size	~ 71 kDa	

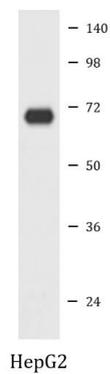
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ALAS1
Gene Full Name	5'-aminolevulinate synthase 1
Background	This gene encodes the mitochondrial enzyme which catalyzes the rate-limiting step in heme (iron-protoporphyrin) biosynthesis. The enzyme encoded by this gene is the housekeeping enzyme; a separate gene encodes a form of the enzyme that is specific for erythroid tissue. The level of the mature encoded protein is regulated by heme: high levels of heme down-regulate the mature enzyme in mitochondria while low heme levels up-regulate. A pseudogene of this gene is located on chromosome 12. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2015]
Calculated Mw	71 kDa
Cellular Localization	Mitochondrion matrix. [UniProt]

Images



ARG58186 anti-ALAS1 antibody WB image

Western blot: HepG2 cell lysate stained with ARG58186 anti-ALAS1 antibody.