

ARG58230 anti-ALAS1 antibody

Package: 100 µl
Store at: -20°C

Summary

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|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes ALAS1 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | ALAS1 |
| Species | Human |
| Immunogen | Recombinant fusion protein corresponding to aa. 1-250 of Human ALAS1 (NP_954635.1). |
| 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 |
| | 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 | Mouse liver | |
| Observed Size | 70 kDa | |

Properties

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| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | PBS (pH 7.3), 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

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|-----------------------|---|
| Gene Symbol | ALAS1 |
| Gene Full Name | 5'-aminolevulinate synthase 1 |
| Background | This gene encodes the mitochondrial enzyme which is 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



ARG58230 anti-ALAS1 antibody WB image

Western blot: 25 µg of Mouse liver lysate stained with ARG58230 anti-ALAS1 antibody at 1:1000 dilution.

Mouse liver