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Datasheet for ABIN2777049 anti-ALAS2 antibody (N-Term)

2 Images



Overview

| Quantity: | 100 µL |
|----------------------|--|
| Target: | ALAS2 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Cow, Rabbit, Dog, Guinea Pig, Horse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ALAS2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human ALAS2 |
|-----------------------|--|
| Sequence: | VFKTVNRWAD AYPFAQHFSE ASVASKDVSV WCSNDYLGMS RHPQVLQATQ |
| Predicted Reactivity: | Cow: 86%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 93%, Rat: 93% |
| Characteristics: | This is a rabbit polyclonal antibody against ALAS2. It was validated on Western Blot and immunohistochemistry. |
| Purification: | Protein A purified |
| Target Details | |
| Target: | ALAS2 |

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| Target Details | | |
|---------------------|---|--|
| Alternative Name: | ALAS2 (ALAS2 Products) | |
| Background: | ALAS2 specifies an erythroid-specific mitochondrially located enzyme. The protein catalyzes | |
| | the first step in the heme biosynthetic pathway. Defects in its gene cause X-linked pyridoxine- | |
| | responsive sideroblastic anemia. 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. | |
| | Alias Symbols: ANH1, ASB, PR02399, XLSA, ALASE, XLDPP, XLEPP, ALAS-E | |
| | Protein Interaction Partner: BANP, GRB2, SUCLA2, RABGGTB, | |
| | Protein Size: 515 | |
| Molecular Weight: | 57 kDa | |
| Gene ID: | 212 | |
| NCBI Accession: | NM_001037969, NP_001033058 | |
| Pathways: | Transition Metal Ion Homeostasis | |
| Application Details | | |
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. | |
| Comment: | Antigen size: 515 AA | |
| Restrictions: | For Research Use only | |
| Handling | | |
| Format: | Liquid | |
| Concentration: | Lot specific | |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % | |
| | sucrose. | |
| Preservative: | Sodium azide | |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which | |
| | should be handled by trained staff only. | |
| Handling Advice: | Avoid repeated freeze-thaw cycles. | |
| | | |

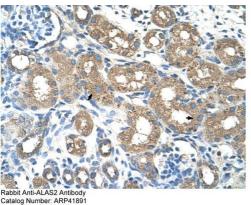
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN2777049 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Handling

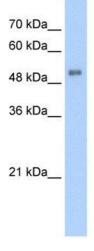
| Storage: | -20 °C |
|------------------|---|
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small |

aliquots to prevent freeze-thaw cycles.

Images



Catalog Number: ARP41891 Lot Number: QC12523 Parafin Embeded Tissue: Human Kidney Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows) Antibody Concentration: 4.0-8.0 µg/ml Magnification: 400X



Immunohistochemistry

Image 1. Rabbit Anti-ALAS2 Antibody Paraffin Embedded Tissue: Human Kidney Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X

Western Blotting

Image 2. WB Suggested Anti-ALAS2 Antibody Titration:5.0ug/ml Positive Control: Jurkat cell lysate

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