Datasheet for ABIN1421045

anti-ALAS2 antibody (Cy3)

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Overview

Quantity:	100 µL
Target:	ALAS2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALAS2 antibody is conjugated to Cy3
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ALAS2/ALAS-E
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	ALAS2
Alternative Name:	ALAS-E (ALAS2 Products)
Background:	Synonyms: 5-aminolevulinate synthase, erythroid-specic, mitochondrial, 5-aminolevulinic acid synthase, ALAS E, ALASE, ANH1, Delta aminolevulinate synthase, XLSA, 5 aminolevulinic acid synthase 2, 5-aminolevulinate synthase 2, 5-aminolevulinate synthase, 5-aminolevulinate synthase 2, Alas 2, ALAS, ALAS E, ALAS, erythroid, ALASE, Aminolevulinate, delta-, synthase 2,

Target Details

	Aminolevulinic acid synthase 2, erythroid, ANH1, ASB, Delta ALA synthase 2, Delta ALA synthetase, Delta aminolevulinate synthase 2, Delta aminolevulinate synthase, Erythroid specic ALAS, FLJ93603, XLDPP, XLSA. Background: 5-aminolevulinate synthase 1 (ALAS-H) and 2 (ALAS-E) are two isoforms of ALAS, an enzyme catalyzing the first step of the heme biosynthetic pathway in mammals. The erythroid-specific isoenzyme, ALAS-E, regulates the first step of hematopoietic cell differentation and iron metabolism in the liver. ALAS-H is a housekeeping protein which mediates synthesis of early heme in the mitochondria of most cells. Succinyl CoA associates with ALAS-E in protein conformation change and translocation of ALAS-E into the mitochondria and does not interact with ALAS-H. The ALAS-E 5'-flanking region contains binding sites for nuclear activators such as GATA-1, NF-E2 and EKLF. Since the ALAS gene maps to the X chromosome, mutation of the gene leads to the pyridoxine-refractory X-linked sideroblastic anemia.
Gene ID:	212
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months