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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.	

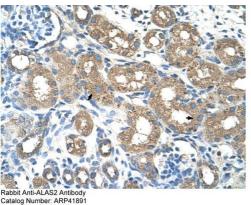
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Handling

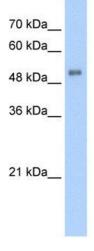
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

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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