

Datasheet for ABIN6136753
anti-ALAS1 antibody (AA 1-250)



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Overview

Quantity:	100 µL
Target:	ALAS1
Binding Specificity:	AA 1-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALAS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-250 of human ALAS1 (NP_954635.1).
Sequence:	MESVVRRCPF LSRVPQAFLQ KAGKSLLFYA QNCPKMMVEG AKPAPRALST AAVHYQQIKE TPPASEKDKT AKAKVQQTPD GSQQSPDGTQ LPSGHPLPAT SQGTASKCPF LAAQMNQRGS SVFCKASLEL QEDVQEMNAV RKEVAETSAG PSVSVKTDG GDPSGLLKNF QDIMQKQRPE RVSHLLQDNL PKSVSTFQYD RFFEKKIDEK KNDHTYRVFK TVNRRAHIFP MADDYSDSLI TKKQVSVWCS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ALAS1
Alternative Name:	ALAS1 (ALAS1 Products)
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.,ALAS1,ALAS,ALAS-H,ALAS3,ALASH,MIG4,Cancer,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,Cardiovascular,Blood,ALAS1
Molecular Weight:	12 kDa/70 kDa
Gene ID:	211
UniProt:	P13196
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.