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Datasheet for ABIN559841

anti-ALAS2 antibody (AA 1-100)

4 Images

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Overview

Quantity:	100 µg
Target:	ALAS2
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ALAS2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant ALAS2.
Immunogen:	ALAS2 (NP_000023, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MVTAAMLLQC CPVLARGPTS LLGKVKTHQ FLFGIGRCPI LATQGPNC SQ IHLKATKAGG DSPSWAKGHC PFMLSELQDG KSKIVQKAAP EVQEDVKAFK
Clone:	6C1
Isotype:	IgG2a
Cross-Reactivity:	Human, Mouse
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	ALAS2
Alternative Name:	ALAS2 (ALAS2 Products)
Background:	Full Gene Name: aminolevulinate, delta-, synthase 2 Synonyms: ALAS-E,ALASE,ANH1,ASB,FLJ93603,XLSA
Gene ID:	212
NCBI Accession:	NM_000032
Pathways:	Transition Metal Ion Homeostasis

Application Details

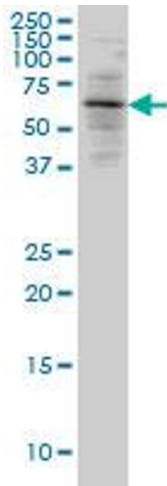
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	<p>Ma, Chen, Wu, Zhao, Yu, Yu, Zhang: "Emodin can induce K562 cells to erythroid differentiation and improve the expression of globin genes." in: Molecular and cellular biochemistry, Vol. 382, Issue 1-2, pp. 127-36, (2013) (PubMed).</p> <p>Zhang, Shen, Liu, Wang, Zhao, Yu, Zhang: "Hypoxic induction of human erythroid-specific δ-aminolevulinate synthase mediated by hypoxia-inducible factor 1." in: Biochemistry, Vol. 50, Issue 7, pp. 1194-202, (2011) (PubMed).</p>
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Western Blotting

Image 1. ALAS2 monoclonal antibody (M01), clone 6C1. Western Blot analysis of ALAS2 expression in Raw 264.7.

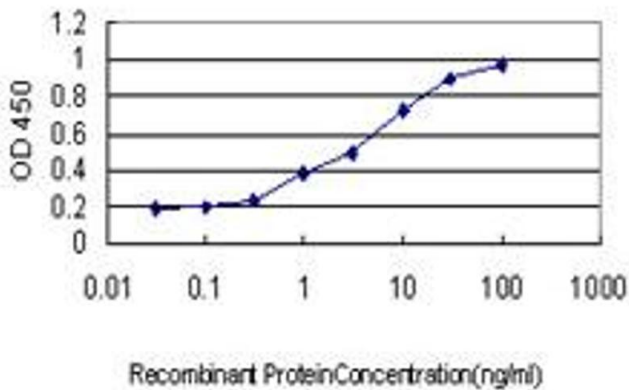


Western Blotting

Image 2. Western Blot analysis of ALAS2 expression in transfected 293T cell line by ALAS2 monoclonal antibody (M01), clone 6C1.

Lane 1: ALAS2 transfected lysate(64 KDa).

Lane 2: Non-transfected lysate.



ELISA

Image 3. Detection limit for recombinant GST tagged ALAS2 is approximately 0.1 ng/ml as a capture antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN559841.