

Datasheet

ALAS2 monoclonal antibody (M01), clone 6C1

Catalog Number: H00000212-M01

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant ALAS2.

Clone Name: 6C1

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:

MVTAAMLLQCCPVLARGPTSLGKVVKTHQFLFGIGR
CPILATQGPNC SQIHLKATKAGGDSPSWAKGHCPFML
SELQDGKSKIVQKAAPEVQEDVKAFK

Host: Mouse

Reactivity: Human, Mouse

Applications: ELISA, S-ELISA, WB-Ce, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 212

Gene Symbol: ALAS2

Gene Alias: ALAS-E, ALASE, ANH1, ASB, FLJ93603, XLSA

Gene Summary: 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. [provided by RefSeq]

References:

1. Emodin can induce K562 cells to erythroid differentiation and improve the expression of globin genes. Ma YN, Chen MT, Wu ZK, Zhao HL, Yu HC, Yu J, Zhang JW Mol Cell Biochem. 2013 Jun 7.
2. Hypoxic Induction of Human Erythroid-Specific Delta-Aminolevulinate Synthase Mediated by Hypoxia-Inducible Factor 1. Zhang FL, Shen GM, Liu XL, Wang F, Zhao HL, Yu J, Zhang JW. Biochemistry. 2011 Jan 20. [Epub ahead of print]