

Product datasheet for **CF810000**

ALAS2 Mouse Monoclonal Antibody [Clone ID: OTI2E4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2E4
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 139-287 of human ALAS2(NP_000023) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	59.5 kDa
Gene Name:	5'-aminolevulinate synthase 2
Database Link:	NP_000023 Entrez Gene 11656 Mouse Entrez Gene 25748 Rat Entrez Gene 212 Human P22557



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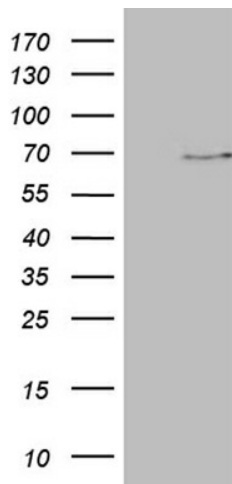
Background: The product of this gene specifies an erythroid-specific mitochondrially located enzyme. The encoded protein catalyzes the first step in the heme biosynthetic pathway. Defects in this gene cause X-linked pyridoxine-responsive sideroblastic anemia. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Synonyms: ALAS-E; ALASE; ANH1; ASB; SIDBA1; XLDPP; XLEPP; XLSA

Protein Families: Druggable Genome

Protein Pathways: Glycine, serine and threonine metabolism, Metabolic pathways, Porphyrin and chlorophyll metabolism

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ALAS2 (Cat# [RC219079], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ALAS2 (Cat# [TA810000])(1:2000). Positive lysates [LY424966] (100ug) and [LC424966] (20ug) can be purchased separately from OriGene.