

ALAS2 Rabbit pAb

Catalog # AP53539

Product Information

Primary Accession	P22557
Host	Rabbit
Clonality	Polyclonal Antibody
Calculated MW	64633

Additional Information

Gene ID	212
Other Names	ASB; ANH1; XLSA; ALASE; XLDPP; XLEPP; ALAS-E; SIDBA1
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

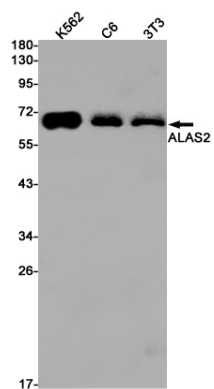
Name	ALAS2 {ECO:0000303 PubMed:34492704, ECO:0000312 HGNC:HGNC:397}
Function	Catalyzes the pyridoxal 5'-phosphate (PLP)-dependent condensation of succinyl-CoA and glycine to form aminolevulinic acid (ALA), with CoA and CO ₂ as by-products (PubMed: 14643893 , PubMed: 21252495 , PubMed: 21309041 , PubMed: 21653323 , PubMed: 32499479 , PubMed: 34492704). Contributes significantly to heme formation during erythropoiesis (PubMed: 2050125).
Cellular Location	Mitochondrion inner membrane; Peripheral membrane protein. Note=Localizes to the matrix side of the mitochondrion inner membrane.
Tissue Location	[Isoform 1]: Erythroid-specific. [Isoform 3]: Erythroid-specific.

Background

Swiss-Prot Acc.P22557.MiscellaneousThere are two delta-ALA synthases in vertebrates: an erythroid- specific form and one (housekeeping) which is expressed in all tissues.

Images

Western blot detection of ALAS2 in K562,C6,3T3 cell lysates using ALAS2 Rabbit pAb(1:1000 diluted).Predicted band size:65kDa.Observed band size:65kDa.



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