



Anti-ALAS2 (aa 1-100) polyclonal antibody (DPAB-DC916)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	ALAS2 (NP_000023, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is MVTAAMLLQCCPV LARGPTSLLGKVVKTHQFLFGIGRCPILATQGPNC SQIHLKATKAGG DPSWAKGHCPFMLSELQDGKSKIVQKAAPEVQEDVKAFK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [ALAS2 aminolevulinate, delta-, synthase 2 \[Homo sapiens \(human\) \]](#)

Official Symbol	ALAS2
Synonyms	ALAS2; aminolevulinate, delta-, synthase 2; ASB; ANH1; XLSA; ALASE; XLDPP; XLEPP; ALAS-E; 5-aminolevulinate synthase, erythroid-specific, mitochondrial; delta-ALA synthase 2; delta-ALA synthetase; 5-aminolevulinic acid synthase 2; delta-aminolevulinate synthase 2;
Entrez Gene ID	212
Protein Refseq	NP_000023
UniProt ID	P22557
Chromosome Location	Xp11.21
Pathway	Glycine, serine and threonine metabolism; Heme Biosynthesis; Metabolism; Porphyrin and chlorophyll metabolism
Function	5-aminolevulinate synthase activity; coenzyme binding; glycine binding; protein binding