

DNAxPAb

Hard-to-Find
Antibody

ALAS2 DNAxPab

Catalog # H00000212-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human ALAS2 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MVTAAMLLQCCPVLARGPTSLLGKVVKTHQFLFGIGRCPILATQGPNCsqiHLKATKAGGDSPSW
AKGHCFMlSELQDGKSKVQKAapeVQEDVKAFKTDLPSSLVSVSLRKPFSGPQEQEQISGKV
THLIQNNMPGNYVFSYDQFFRDKIMEKKQDHTYRVFKTVNRWADAYPFAQHfSEASVASKDVS
WCSNDYLGMSRHPQVLQATQETLQRHGAGAGGTRNISGTSKFHVELEqELAElhQKDSALLFSS
CFVANDSTLFTLAKILPGCEIYSDAGNHASMIQGIRNSGAakFVFRHNDPDHLKkLLEKSNPKIPKIV
AFETVHSMdGAICPLEELCDVSHQYGALTFVDEVHAvGLYGSRGAGIGERdGIMHKIDISGTLGKA
FGCVGGYASTRDLDVMVRSYAAGFIFTSLPPMVLsgALESVRLlKGEEGQALRRahQRNVKHM
RQLLMdRGLPVIPcPSHIIPIRVGNAALNSKLCDLLSKHGiyQAINyPTVPRGEELLRLAPSPHHS
PQMMEDFVEKLLLAwtAVGLPLQDVSVaACNFCRRPVHFELMSEWERSyFGNMGPQYVTTYA

Host Rabbit

Reactivity Human

Interspecies Antigen Sequence Mouse (90); Rat (89)

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

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

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — ALAS2

Entrez GeneID [212](#)

GeneBank Accession# [AK313118.1](#)

Protein Accession# [BAG35939.1](#)

Gene Name ALAS2

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

Gene Description aminolevulinate, delta-, synthase 2

Omim ID [301300](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations 5-aminolevulinate synthase, erythroid-specific, mitochondrial|5-aminolevulinic acid synthase|OTTHUMP00000023388|OTTHUMP00000023389|delta-ALA synthetase|delta-aminolevulinate synthase

Pathway

- [Glycine](#)
- [Metabolic pathways](#)
- [Porphyrin and chlorophyll metabolism](#)