

MaxPab®

ALAS1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000211-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ALAS1 protein.
Immunogen	ALAS1 (ADZ15340.1, 1 a.a. ~ 640 a.a) full-length human protein.
Sequence	MESVVRRCPFLSRVPQAFLQKAGKSLLFYAQNCPKMMEVGAKPAPRALSTAAVHYQQIKETPPA SEKDKTAKAKVQQTPDGSQQSPDGTQLPSGHPLPATSGTASKCPFLAAQMNQRGSSVFCKA SLELQEDVQEMNAVRKEVAETSAGPSVVSVKTDGGDPSGLLKNFQDIMQKQRPERSHLLQDN LPKSVSTFQYDRFFEKKIDEKKNDHTYRVFKTVNRRAHIFPMADDYSDSLITKKQVSVWCSNDYLG MSRHRPVC GAVMDTLKQHGAGAGGTRNISGTSKFHVDLERELADLHGKDAALLFSSCFVANDST LFTLAKMMPGCEIYSDSGNHASMIQGI RNSRVPKYIFRHNDVSHLRELLQRSDPSVPKIVAFETVHS MDGAVCPLEELCDVAHEFGAITFVDEVHAVGLYGARGGGIGDRDGVMPKMDIISGTLGKAFCV GGYIASTSSLIDTVRSYAAGFIFTTSLPPMLLAGALESVRILKSAEGRVLRQHQNRNVKLMRQMLMD AGLPVVHCPSHIIPVRVADAAKNTEVCDELMSRHNIYQAINYPTVPRGELLRIAPTPHHTPQMMN YFLENLLVTWKQVGLLELKP HSSAECNFCRRPLHFEVMSEREKSYFSGLSKLVSAQA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (90)
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](#)

Gene Info — ALAS1

Entrez GeneID	211
GeneBank Accession#	JF432123.1
Protein Accession#	ADZ15340.1
Gene Name	ALAS1
Gene Alias	ALAS, ALAS3, ALASH, MIG4
Gene Description	aminolevulinate, delta-, synthase 1
Omim ID	125290
Gene Ontology	Hyperlink
Gene Summary	Delta-aminolevulinate synthase (ALAS; EC 2.3.1.37) catalyzes the condensation of glycine with succinyl-CoA to form delta-aminolevulinic acid. This nuclear-encoded mitochondrial enzyme is the first and rate-limiting enzyme in the mammalian heme biosynthetic pathway. There are 2 tissue-specific isozymes: a housekeeping enzyme encoded by the ALAS1 gene and an erythroid tissue-specific enzyme encoded by ALAS2 (MIM 301300).[supplied by OMIM]
Other Designations	aminolevulinate, delta, synthase 1 migration-inducing protein 4

Pathway

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

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)