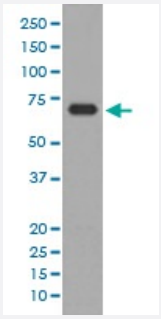
ALAS1 monoclonal antibody, clone EOA-1

Catalog # MAB19539 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HepG2 cell lysate with ALAS1 monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human ALAS1.
Immunogen	A synthetic peptide corresponding to human ALAS1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of HepG2 cell lysate with ALAS1 monoclonal antibody.

- Immunocytochemistry

- Immunofluorescence

Gene Info — ALAS1

Entrez GeneID	211
Protein Accession#	P13196
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 s uccinyl-CoA to form delta-aminolevulinic acid. This nuclear-encoded mitochondrial enzyme is the f irst and rate-limiting enzyme in the mammalian heme biosynthetic pathway. There are 2 tissue-sp ecific isozymes: a housekeeping enzyme encoded by the ALAS1 gene and an erythroid tissue-sp ecific 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