

A11120

Leader in Biomolecular Solutions for Life Science



## ALAS1 Rabbit mAb

Catalog No.: A11120

Recombinant

### Basic Information

#### Observed MW

71kDa

#### Calculated MW

71kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

WB, IF/ICC, ELISA

#### Cross-Reactivity

Human

### Background

This gene encodes the mitochondrial enzyme which catalyzes the rate-limiting step in heme (iron-protoporphyrin) biosynthesis. The enzyme encoded by this gene is the housekeeping enzyme; a separate gene encodes a form of the enzyme that is specific for erythroid tissue. The level of the mature encoded protein is regulated by heme: high levels of heme down-regulate the mature enzyme in mitochondria while low heme levels up-regulate. A pseudogene of this gene is located on chromosome 12. Alternative splicing results in multiple transcript variants encoding different isoforms.

### Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

### Immunogen Information

#### Gene ID

211

#### Swiss Prot

P13196

#### Immunogen

Recombinant protein of human ALAS1

#### Synonyms

ALAS; MIG4; ALAS3; ALASH; ALAS-H; ALAS1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

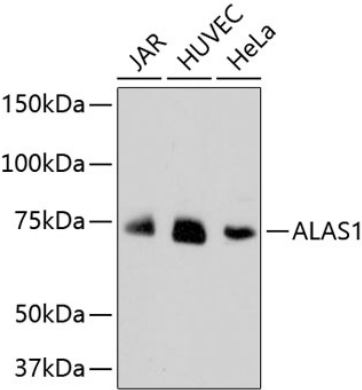
Affinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using ALAS1 antibody (A11120).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.