

## ALAS1 Conjugated Antibody

Catalog No: #C36073



Package Size: #C36073-AF350 100ul #C36073-AF405 100ul #C36073-AF488 100ul  
 #C36073-AF555 100ul #C36073-AF594 100ul #C36073-AF647 100ul  
 #C36073-AF680 100ul #C36073-AF750 100ul #C36073-Biotin 100ul

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## Description

Product Name	ALAS1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ALAS1 protein.
Immunogen Description	Fusion protein corresponding to residues near the C terminal of human aminolevulinate, delta-, synthase 1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ALAS; MIG4; ALAS3; ALASH
Accession No.	Swiss-Prot#:P13196NCBI Gene ID:211NCBI Protein#:BC011798
Uniprot	P13196
GeneID	211;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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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. Multiple alternatively spliced variants, encoding the same protein, have been identified.

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Note: This product is for in vitro research use only