Alas1 Conjugated Antibody

Catalog No: #C48613

Package Size: #C48613-AF350 100ul #C48613-AF405 100ul #C48613-AF488 100ul #C48613-AF555 100ul #C48613-AF594 100ul #C48613-AF647 100ul #C48613-AF680 100ul #C48613-AF750 100ul #C48613-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Alas1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	5 aminolevulinate synthase antibody 5 aminolevulinate synthase nonspecific mitochondrial antibody 5 aminolevulinic acid synthase antibody 5-aminolevulinate synthase antibody 5-aminolevulinic acid synthase 1 antibody Alas 1 antibody ALAS 3 antibody ALAS antibody ALAS H antibody ALAS HOUSEKEEPING TYPE antibody ALAS N antibody ALAS-H antibody alaS1 antibody ALAS3 antibody ALASH antibody Aminolevulinate delta synthase 1 antibody Aminolevulinic acid synthase 1 antibody Delta ALA synthetase antibody Delta aminolevulinate synthase antibody Delta-ALA synthase 1 antibody Delta-aminolevulinate synthase 1 antibody HEM1_HUMAN antibody MIG 4 antibody MIG4 antibody Migration inducing protein 4 antibody mitochondrial antibody nonspecific antibody
Accession No.	Swiss-Prot#:P13196
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
Calculated MW	71 kDa
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

5-aminolevulinate synthase 1 (ALAS-H) and 2 (ALAS-E) are two isoforms of ALAS, an enzyme catalyzing the first step of the heme biosynthetic pathway in mammals. The erythroid-specific isoenzyme, ALAS-E, regulates the first step of hematopoietic cell differentation and iron metabolism in the liver. ALAS-H is a housekeeping protein which mediates synthesis of early heme in the mitochondria of most cells. Succinyl CoA associates with ALAS-E in protein conformation change and translocation of ALAS-E into the mitochondria and does not interact with ALAS-H. The ALAS-E 5'-flanking region contains binding sites for nuclear activators such as GATA-1, NF-E2 and EKLF. Since the ALAS gene maps to the X chromosome, mutation of the gene leads to the pyridoxine-refractory X-linked sideroblastic anemia.

Note: This product is for in vitro research use only