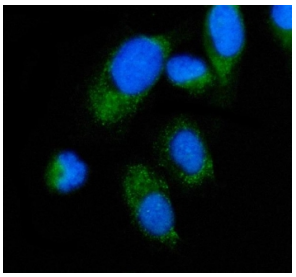
ALAS2 Antibody / ASB / 5-aminolevulinic acid synthase 2 (RQ6930)

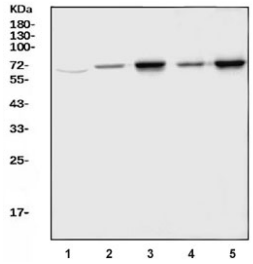
Catalog No.	Formulation	Size
RQ6930	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

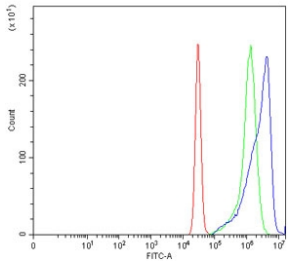
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P22557
Applications	Western Blot : 0.5-1 ug/ml Flow Cytometry : 1-3ug/million cells Immunofluorescence : 5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This ALAS2 antibody is available for research use only.



Immunofluorescent staining of FFPE human PC-3 cells with ALAS2 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human 293T, 2) rat liver, 3) rat heart, 4) mouse liver and 5) mouse heart lysate with ALAS2 antibody. Predicted molecular weight ~65 kDa.



Flow cytometry testing of human K562 cells with ALAS2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ALAS2 antibody.

Description

Delta-aminolevulinate synthase 2 also known as ALAS2 is a protein that in humans is encoded by the ALAS2 gene. The product of this gene specifies an erythroid-specific mitochondrially located enzyme. The encoded protein catalyzes the first step in the heme biosynthetic pathway. Defects in this gene cause X-linked pyridoxine-responsive sideroblastic anemia. Alternatively spliced transcript variants encoding different isoforms have been identified.

Application Notes

Optimal dilution of the ALAS2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-D190) was used as the immunogen for the ALAS2 antibody.

Storage

After reconstitution, the ALAS2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com