

Datasheet for ABIN933137  
**anti-NFS1 antibody**



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1 Image

## Overview

Quantity:	100 µg
Target:	NFS1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NFS1 antibody is un-conjugated
Application:	Western Blotting (WB), Dot Blot (DB)

## Product Details

Immunogen:	NFS1 antibody was raised in mouse using recombinant Human Nfs1 Nitrogen Fixation 1 Homolog ( <i>S. Cerevisiae</i> )
Clone:	2635E1a
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse (Murine), Rat ( <i>Rattus</i> )
Cross-Reactivity (Details):	Other species not studied.
Purification:	Protein G affinity chromatography

## Target Details

Target:	NFS1
Alternative Name:	NFS1 ( <a href="#">NFS1 Products</a> )

## Target Details

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**Background:** Iron-sulfur clusters are required for the function of many cellular enzymes. The protein encoded by this gene supplies inorganic sulfur to these clusters by removing the sulfur from cysteine, creating alanine in the process. This gene uses alternate in-frame translation initiation sites to generate mitochondrial forms and cytoplasmic/nuclear forms. Selection of the alternative initiation sites is determined by the cytosolic pH. The encoded protein belongs to the class-V family of pyridoxal phosphate-dependent aminotransferases. Synonyms: Monoclonal NFS1 antibody, Anti-NFS1 antibody, Nitrogen fixation 1 homolog antibody, IscS antibody, NIFS antibody, HUSSY-08 antibody.

**Pathways:** [Transition Metal Ion Homeostasis](#)

## Application Details

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**Application Notes:** WB: 0.2-2 µg/mL  
Optimal conditions should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

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**Concentration:** Lot specific

**Buffer:** NFS1 antibody in PBS (3.0 mM KCl, 1.5 mM KH<sub>2</sub>PO<sub>4</sub>, 140 mM NaCl, 8.0 mM Na<sub>2</sub>HPO<sub>4</sub> (pH 7.4)) containing 1 % bovine serum albumin (BSA) and 0.05 % sodium azide (NaN<sub>3</sub>).

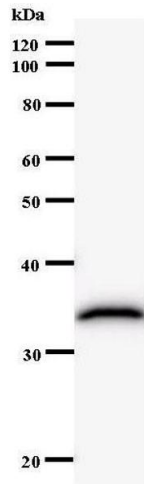
**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

**Handling Advice:** Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

**Storage:** 4 °C/-20 °C

**Storage Comment:** Store at 2-8 °C for up to one year. We recommend long term storage at -20 °C.



### Western Blotting

Image 1.