Mouse anti-Human NFS1 Monoclonal Antibody | anti-NFS1 antibody

Mouse monoclonal antibody Anti-Human NFS1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10614	**Mouse**	**Human**	**Dot Blot, Western Blot**

PRODUCT SYNONYMS

NFS1; Monoclonal Antibody; Mouse monoclonal antibody Anti-Human NFS1; Homo sapiens NFS1 nitrogen fixation 1 homolog (S. cerevisiae); IscS; NIFS; HUSSY-08; anti-NFS1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2635E1a
Form/Format	Mouse monoclonal anti-human NFS1 antibody in PBS (3.0 mM KCl, 1.5 mM KH2PO4, 140mM NaCl, 8.0mM Na2HPO4(pH 7.4)) containing 1% bovine serum albumin (BSA) and 0.05% sodium azide (NaN3).
Concentration	100 ug/ml (1.0 ml) (varies by lot)
Sequence Length	2385
Applicable Applications for anti-NFS1 antibody	DB (Dot Blot), WB (Western Blot)
Application Notes	Recommended condition: WB: 0.2-2ug/ml
Preparation	This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.
Immunogen	Recombinant
Sterility	Filtered through a 0.22 um membrane.
Disposal	This antibody solution contains sodium azide (NaN3) as a preservative. There is a potential hazard that NaN3 reacts with copper or lead to produce an explosive compound. For safe disposal, the vial has to be washed thoroughly with water.
Safety warning and precautions	Caution must be taken to avoid contact with skin or eyes. In such a case, rinse thoroughly at once with water. Do not ingest, inhale, or swallow. Seek medical attention immediately. Wear appropriate protective clothing such as laboratory overalls, safety glasses and gloves. It is strongly advised that this product should be handled by people who have been well trained in laboratory techniques and that it is handled with care pursuant to the principles of good laboratory practice. All chemicals are deemed potentially harmful. The vial is prone to fall over. Use caution, especially when the lid is off.
Preparation and Storage	Store at 2-8 degree C for up to one year. We recommend storing at -20 degree C for long-term storage. Avoid repeat freezing and thawing cycles.

IMAGES

WB (Western Blot)
Detection of NFS1 by Western blot.Samples: Whole cell lysate from human HEK293 (H, 25 ug), mouse NIH3T3 (M, 25 ug) and rat F2408 (R, 25 ug) cells. [Lot No. 2635E1a-1]Predicted molecular weight: 50 kDa

Quality Control
Arrow indicates the region of immunized recombinant protein carrying 50-200 amino acids.

Quality Control
Western blot analysis of immunized recombinant protein, using anti-NFS1 monoclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-NFS1 antibody	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. [NCBI Entrez Gene Summary]

NCBI AND UNIPROT INFORMATION

NCBI GI #	312222766
NCBI GeneID	9054
NCBI Accession #	NP_066923.3
NCBI GenBank Nucleotide #	NM_021100
Molecular Weight	44,362 Da
NCBI Official Full Name	Homo sapiens NFS1 cysteine desulfurase (NFS1), transcript variant 1, mRNA
NCBI Official Synonym Full Names	NFS1 cysteine desulfurase
NCBI Official Symbol	NFS1
NCBI Official Synonym Symbols	IscS; NIFS; HUSSY-08
NCBI Protein Information	cysteine desulfurase, mitochondrial; NFS1 nitrogen fixation 1 homolog; nitrogen fixation 1 (S. cerevisiae, homolog); nitrogen-fixing bacteria S-like protein
UniProt Protein Name	Cysteine desulfurase, mitochondrial
UniProt Gene Name	**NFS1**
UniProt Entry Name	NFS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/nfs1-antibody-clone-2635e1a-dot-blot-western-blot-elisa/10614