## For Research Use Only

## NFS1 Monoclonal antibody

Catalog Number:67021-1-lg Featured Product



**Purification Method:** 

**Basic Information** 

Catalog Number: GenBank Accession Number:

67021-1-lg BC018471 Protein G purification GeneID (NCBI): Size: CloneNo.:

150ul, Concentration: 1700 ug/ml by 9054 3A10A7

Nanodrop and 1000 ug/ml by Bradford<sub>UNIPROT ID:</sub> Recommended Dilutions: method using BSA as the standard; Q9Y697 WB 1:5000-1:50000

Source: Full Name:

Mouse NFS1 nitrogen fixation 1 homolog (S.

Isotype: cerevisiae) lgG1 Calculated MW: Immunogen Catalog Number: 50 kDa

AG8017 Observed MW:

50-55 kDa

**Applications** 

**Tested Applications:** Positive Controls:

WB, ELISA WB: HSC-T6 cells, HepG2 cells, HeLa cells, HEK-293

Species Specificity: cells, NIH/3T3 cells, RAW 264.7 cells human, mouse, rat

## **Background Information**

NFS1(nitrogen fixation 1 homolog) is also named as NIFS, HUSSY-08 and belongs to the class-V pyridoxalphosphate-dependent aminotransferase family. The protein has been identified as a pyridoxal phosphatecontaining homodimer that catalyzes the formation of equimolar amounts of elemental sulfur and L-alanine from the substrate, L-cysteine. It is reported that NFS1 is also able to catalyze the removal of selenium from selenocysteine, a mechanism similar to the L-cysteine reaction was postulated(PMID:9812986). It has 2 isoforms produced by alternative initiation.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

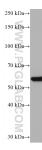
Storage Buffer

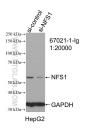
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

## Selected Validation Data





HSC-T6 cells were subjected to SDS PAGE followed by western blot with 67021-1-Ig (NFS1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.

WB result of NFS1 antibody (67021-1-lg: 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NFS1 transfected HepG2 cells.