For Research Use Only

NFS1 Monoclonal antibody

Catalog Number:67021-1-lg Featured Product



Basic Information

Catalog Number: 67021-1-lg Size:

1700 µg/ml Source: Mouse Isotype: lgG1

Immunogen Catalog Number:

AG8017

Tested Applications: WB, ELISA

Species Specificity: Human, Mouse, Rat

GenBank Accession Number:

BC018471 GeneID (NCBI): 9054 **UNIPROT ID:**

Q9Y697 Full Name: NFS1 nitrogen fixation 1 homolog (S.

Calculated MW: 50 kDa

cerevisiae)

Observed MW: 50-55 kDa

Positive Controls:

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

Purification Method:

Protein G purification

Recommended Dilutions:

WB 1:5000-1:50000

CloneNo.:

3A10A7

cells, NIH/3T3 cells, RAW 264.7 cells

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

Applications

Storage:

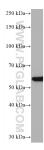
Store at -20°C. Stable for one year after shipment.

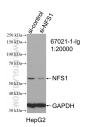
Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

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.