For Research Use Only

NFS1 Monoclonal antibody, PBS Only

Catalog Number:67021-1-PBS Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
67021-1-PBS

Size:
1 mg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG8017

GenBank Accession Number:
BC018471

GeneID (NCBI):
9054

UNIPROT ID:
Q9Y697

Full Name:
NFS1 nitrogen fixation 1 homolog (S. cerevisiae)

Calculated MW:
50 kDa

Observed MW:
50-55 kDa

Purification Method:
Protein G purification

CloneNo.:
3A10A7

Applications

Tested Applications:
WB,Indirect ELISA

Species Specificity:
Human, Mouse, Rat

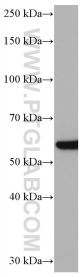
Background Information

NFS1(nitrogen fixation 1 homolog) is also named as NIFS, HUSSY-08 and belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family. The protein has been identified as a pyridoxal phosphate-containing 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.

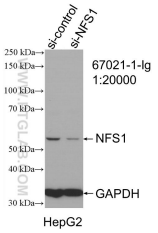
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

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. This data was developed using the same antibody clone with 67021-1-PBS in a different storage buffer formulation.



WB result of NFS1 antibody (67021-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NFS1 transfected HepG2 cells. This data was developed using the same antibody clone with 67021-1-PBS in a different storage buffer formulation.