

NFS1 Monoclonal antibody

Catalog Number: 67021-1-Ig

Featured Product

Basic Information

Catalog Number: 67021-1-Ig	GenBank Accession Number: BC018471	Purification Method: Protein G purification
Size: 150ul , Concentration: 1700 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9054	CloneNo.: 3A10A7
Source: Mouse	Full Name: NFS1 nitrogen fixation 1 homolog (S. cerevisiae)	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 50 kDa	
Immunogen Catalog Number: AG8017	Observed MW: 50-55 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, Mouse, Rat

Positive Controls:

WB : HSC-T6 cells, HepG2 cells, HeLa cells, HEK-293 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 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 -20°C. Stable for one year after shipment.

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

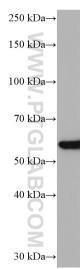
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

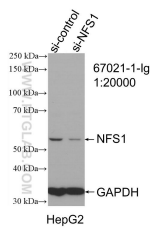
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NFS1 transfected HepG2 cells.