For Research Use Only

## NFS1 Monoclonal antibody

Catalog Number:67021-1-lg Featured Product

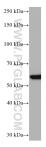


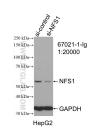
Basic Information	Catalog Number: 67021-1-lg	GenBank Accession Number: BC018471	Purification Method: Protein G purification
	Size: 150ul , Concentration: 1700 ug/ml b Nanodrop and 1000 ug/ml by Bradfo		CloneNo.: 3A10A7 Recommended Dilutions:
	method using BSA as the standard; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG8017	Q9Y697 WB 1:5000-1:50000 Full Name: NFS1 nitrogen fixation 1 homolog (S. cerevisiae) Calculated MW: Table	
		50 kDa 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.		
*** 20ul sizes contain 0.1% BSA	Aliquoting is unnecessary for -20 $^{\circ}$ C :	storage	

For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) 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-lg; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NFS1 transfected HepG2 cells.