

For Research Use Only

AIFM2/ FSP1 Monoclonal antibody

Catalog Number: 68049-1-Ig **3 Publications**



Basic Information

Catalog Number: 68049-1-Ig	GenBank Accession Number: BC023601	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 84883	CloneNo.: 1A2B2
Source: Mouse	UNIPROT ID: Q9BRQ8	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:250-1:1000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: apoptosis-inducing factor, mitochondrion-associated, 2	
Immunogen Catalog Number: AG30516	Calculated MW: 41 kDa	
	Observed MW: 41 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), IP, ELISA	Positive Controls: WB : HepG2 cells, NCI-H1299 cells, A549 cells, HEK-293 cells, MCF-7 cells, K-562 cells, L02 cells IP : K-562 cells, IHC : mouse liver tissue, IF/ICC : H9C2 cells,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

The human AIFM2 protein (also known as FSP1 or AMID) is an apoptosis associated flavoprotein with a 6-hydroxy FAD cofactor. AIFM2 is a NAD(P)H-binding oxidoreductase with some sequence similarities to A1FM1 (formerly known as AIF, Apoptosis Inducing Factor), a mitochondrion-associated enzyme which relocates to the cell nucleus during apoptosis and is considered to be a key player in the progression of cell death.

Notable Publications

Author	Pubmed ID	Journal	Application
Fanhao Wei	39647633	J Adv Res	WB
Xuelian Chen	39025016	Redox Biol	WB
Yongyan Hu	38777204	Free Radic Biol Med	WB

Storage

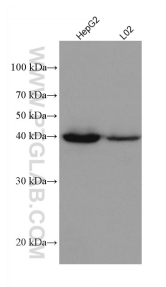
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

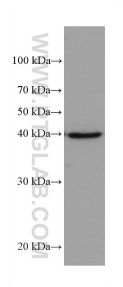
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

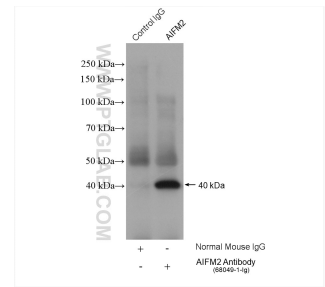
Selected Validation Data



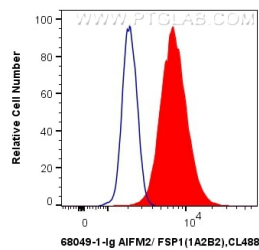
HepG2 cells were subjected to SDS PAGE followed by western blot with 68049-1-Ig (AIFM2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



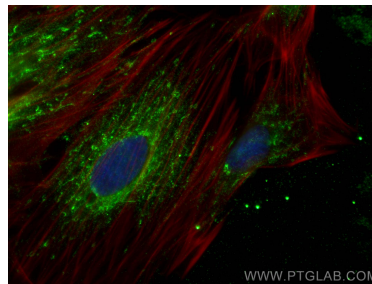
K-562 cells were subjected to SDS PAGE followed by western blot with 68049-1-Ig (AIFM2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



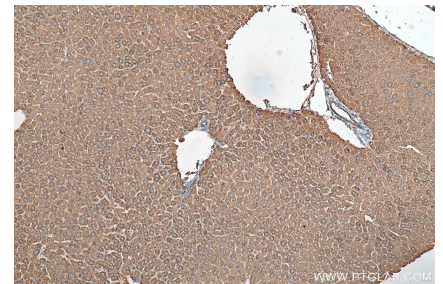
IP result of anti-AIFM2/ FSP1 (IP:68049-1-Ig, 4ug; Detection:68049-1-Ig 1:500) with K-562 cells lysate 1760 ug.



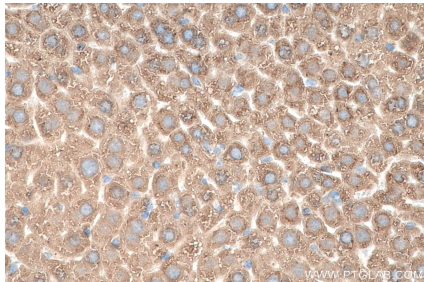
1X10⁶ K-562 cells were intracellularly stained with 0.5 ug Anti-Human AIFM2 (68049-1-Ig, Clone:1A2B2) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed H9C2 cells using AIFM2/ FSP1 antibody (68049-1-Ig, Clone: 1A2B2) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 68049-1-Ig (AIFM2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 68049-1-Ig (AIFM2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).