

For Research Use Only

AIFM2/ FSP1 Monoclonal antibody, PBS Only



Catalog Number: 68049-1-PBS

Basic Information

| | | |
|---|--|---|
| Catalog Number: 68049-1-PBS | GenBank Accession Number: BC023601 | Purification Method: Protein G purification |
| Size: 100ug , Concentration: 1mg/ml by Nanodrop; | GeneID (NCBI): 84883 | CloneNo.: 1A2B2 |
| Source: Mouse | UNIPROT ID: Q9BRQ8 | |
| 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:
Indirect ELISA, IP, IF/ICC, IHC, WB

Species Specificity:
mouse, human

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.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

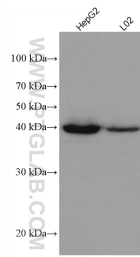
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

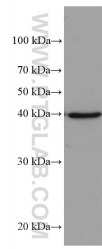
E: proteintech@ptglab.com
W: ptglab.com

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

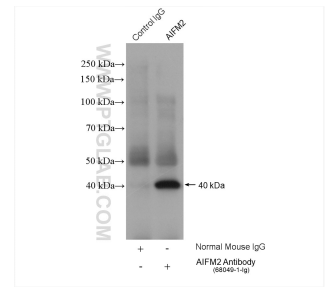
Selected Validation Data



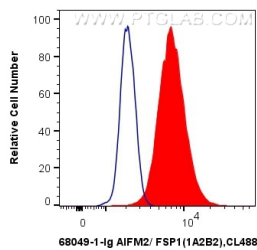
HepG2 cells were subjected to SDS PAGE followed by western blot with 68049-1-Ig (AIFM2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68049-1-PBS in a different storage buffer formulation.



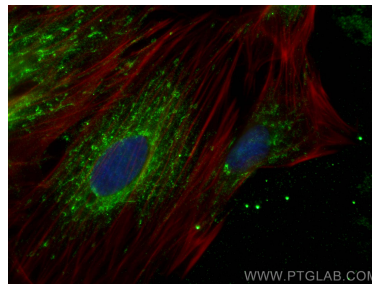
K-562 cells were subjected to SDS PAGE followed by western blot with 68049-1-Ig (AIFM2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68049-1-PBS in a different storage buffer formulation.



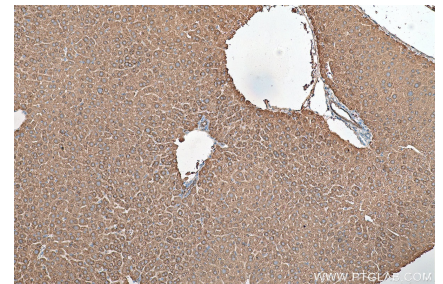
IP result of anti-AIFM2/ FSP1 (IP:68049-1-Ig, 4ug; Detection:68049-1-Ig 1:500) with K-562 cells lysate 1760 ug. This data was developed using the same antibody clone with 68049-1-PBS in a different storage buffer formulation.



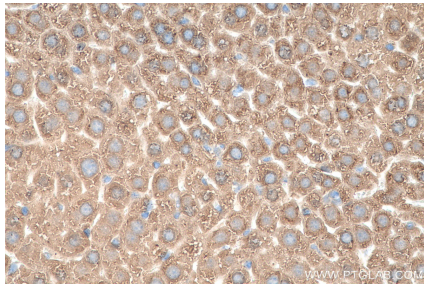
1X10⁶ K-562 cells were intracellularly stained with 0.5 ug Anti-Human AIFM2 (68049-1-Ig, Clone:1A2B2) and CoralLite[®]488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 68049-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed H9C2 cells using AIFM2/ FSP1 antibody (68049-1-Ig, Clone: 1A2B2) at dilution of 1:800 and CoralLite[®]488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 68049-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68049-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68049-1-PBS in a different storage buffer formulation.