For Research Use Only

AIFM2/ FSP1 Monoclonal antibody, PBS Only

Catalog Number:68049-1-PBS

Basic Information

Catalog Number:
68049-1-PBS

Size:
1mg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG30516

GenBank Accession Number:
BC023601

GeneID (NCBI):
84883

UNIPROT ID:
Q9BRQ8

Full Name:
apoptosis-inducing factor, mitochondrion-associated, 2

Calculated MW:
41 kDa

Observed MW:
41 kDa

Purification Method:
Protein G purification

CloneNo.:
1A2B2

Applications

Tested Applications:
Indirect ELISA, IP, IF/ICC, IHC, WB

Species Specificity:
mouse, human

Background Information

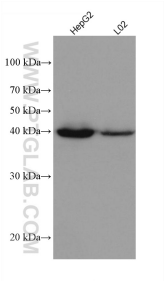
The human AIFM2 protein (also known as FSP1 or AMID) is an apoptosis associated flavoprotein with a 6-hydroxy FAD cofactor. AIFM2 is a NAD(P)H-binding oxidoreductase with some sequence similarities to A1FM1 (formerly known as AIF, Apoptosis Inducing Factor), a mitochondrion-associated enzyme which relocates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

Storage

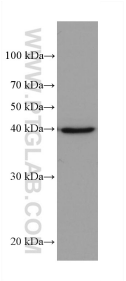
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

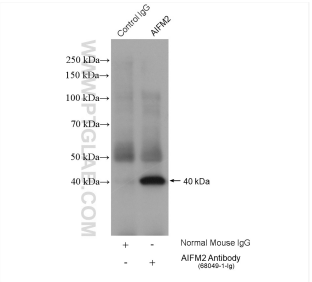
Selected Validation Data



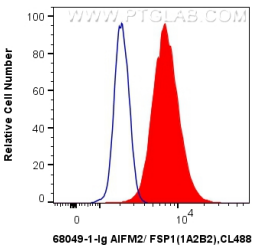
HepG2 cells were subjected to SDS PAGE followed by western blot with 68049-1-Ig (AIFM2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68049-1-PBS in a different storage buffer formulation.



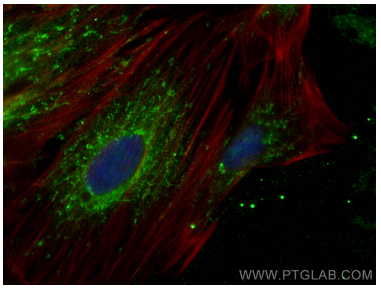
K-562 cells were subjected to SDS PAGE followed by western blot with 68049-1-Ig (AIFM2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68049-1-PBS in a different storage buffer formulation.



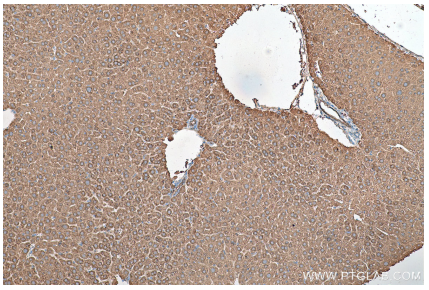
IP result of anti-AIFM2/ FSP1 (IP:68049-1-Ig, 4ug; Detection:68049-1-Ig 1:500) with K-562 cells lysate 1760 ug. This data was developed using the same antibody clone with 68049-1-PBS in a different storage buffer formulation.



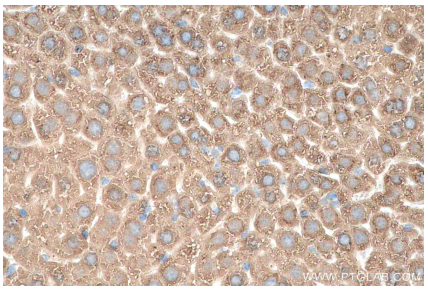
1X10^6 K-562 cells were intracellularly stained with 0.5 ug Anti-Human AIFM2 (68049-1-Ig, Clone:1A2B2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). 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 CoraLite®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.