

AIFM2/ FSP1 Monoclonal antibody

Catalog Number: 68049-1-Ig **5 Publications**

Basic Information

Catalog Number:

68049-1-Ig

Concentration:

1000 µg/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

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total
protein lysate

IHC 1:250-1:1000

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

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,

FC (Intra) : K-562 cells,

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
Jun Yang	40049312	Exp Cell Res	WB
Qiyao Xu	39737072	Front Pharmacol	WB
Fanhao Wei	39647633	J Adv Res	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

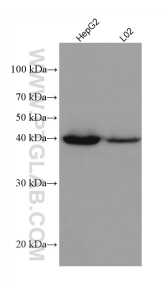
For technical support and original validation data for this product please contact:

T: 4006900926

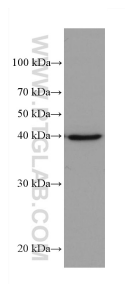
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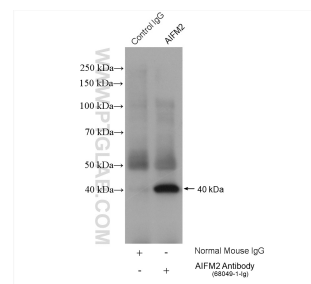
Selected Validation Data



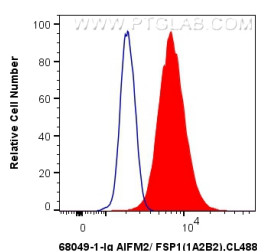
HepG2 cells were subjected to SDS PAGE followed by western blot with 68049-1-Ig (AIFM2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



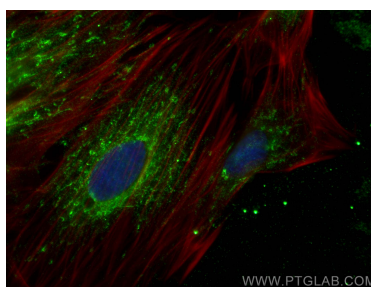
K-562 cells were subjected to SDS PAGE followed by western blot with 68049-1-Ig (AIFM2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



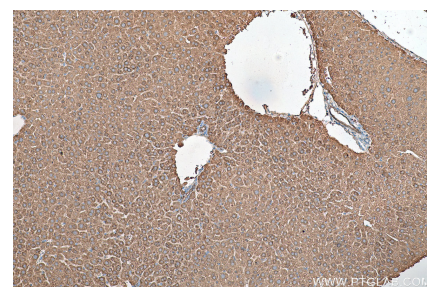
IP result of anti-AIFM2/ FSP1 (IP:68049-1-Ig, 4ug; Detection:68049-1-Ig 1:500) with K-562 cells lysate 1760 ug.



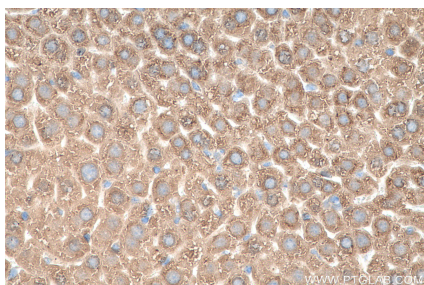
1X10⁶ K-562 cells were intracellularly stained with 0.5 ug Anti-Human AIFM2 (68049-1-Ig, Clone:1A2B2) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



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).