

AIFM2/ FSP1 Polyclonal antibody

Catalog Number: 20886-1-AP

Featured Product

146 Publications

Basic Information

Catalog Number:

20886-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13412

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig, duck

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: mouse kidney tissue, HeLa cells, rat liver tissue, HepG2 cells, PC-12 cells

IP: L02 cells,

IHC: mouse liver tissue,

IF/ICC: A549 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 AIFM1 (formerly known as AIF, Apoptosis-Inducing Factor), a mitochondrion-associated enzyme that 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
Mengru Xie	32999278	Int J Oral Sci	WB
Chong Zeng	35968603	Cancer Sci	WB
Yanfei Shao	34745421	Oxid Med Cell Longev	WB, IHC

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

*** 20ul sizes contain 0.1% BSA

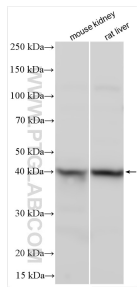
For technical support and original validation data for this product please contact:

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

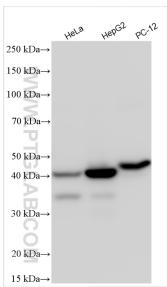
E: proteintech@ptglab.com
W: ptglab.com

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

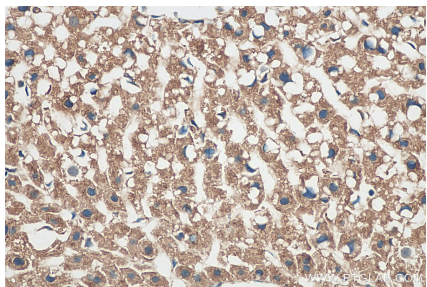
Selected Validation Data



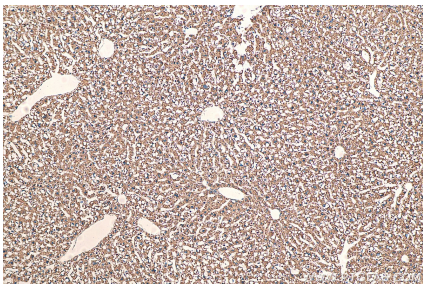
Various lysates were subjected to SDS PAGE followed by western blot with 20886-1-AP (AIFM2/ FSP1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



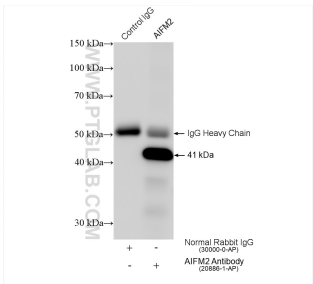
Various lysates were subjected to SDS PAGE followed by western blot with 20886-1-AP (AIFM2/ FSP1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



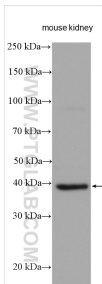
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 20886-1-AP (AIFM2/ FSP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



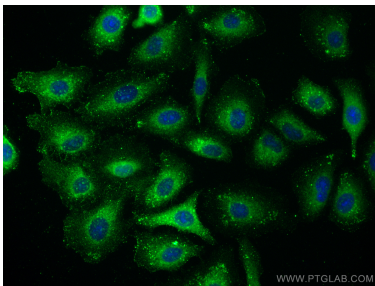
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 20886-1-AP (AIFM2/ FSP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-AIFM2/ FSP1 (IP:20886-1-AP, 4ug; Detection:20886-1-AP 1:3000) with L02 cells lysate 1040 ug.



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 20886-1-AP (AIFM2/ FSP1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using AIFM2/ FSP1 antibody (20886-1-AP) at dilution of 1:200 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).