

For Research Use Only

AIFM2/ FSP1 Polyclonal antibody

Catalog Number: 20886-1-AP **29 Publications**



Basic Information

Catalog Number: 20886-1-AP	GenBank Accession Number: BC023601	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 84883	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: apoptosis-inducing factor, mitochondrion-associated, 2	Calculated MW: 41 kDa
Isotype: IgG	Observed MW: 41 kDa	Immunogen Catalog Number: AG13412

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : mouse kidney tissue, IP : L02 cells, IHC : human liver tissue, human heart tissue
Cited Applications: IF, IHC, 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	

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
Mengru Xie	32999278	Int J Oral Sci	WB
Yanfei Shao	34745421	Oxid Med Cell Longev	WB, IHC
Kirill Bersuker	31634900	Nature	WB

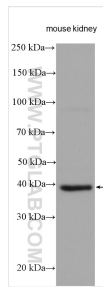
Storage

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

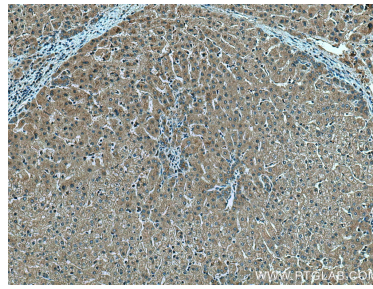
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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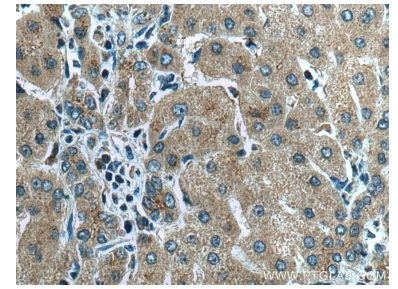
Selected Validation Data



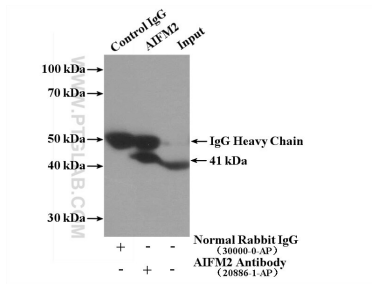
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 20886-1-AP (AIFM2/ FSP1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human 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).



Immunohistochemical analysis of paraffin-embedded human 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).



IP Result of anti-AIFM2 (IP:20886-1-AP, 4ug; Detection:20886-1-AP 1:300) with LO2 cells lysate 1800ug.