

For Research Use Only

UFSP2 Polyclonal antibody

Catalog Number: 16999-1-AP

2 Publications



Basic Information

Catalog Number:

16999-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 193 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10692

GenBank Accession Number:

BC010493

GeneID (NCBI):

55325

UNIPROT ID:

Q9NUQ7

Full Name:

UFM1-specific peptidase 2

Calculated MW:

469 aa, 53 kDa

Observed MW:

53 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

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

IHC 1:20-1:200

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 pancreas tissue, NIH/3T3 cells

IP : HepG2 cells,

IHC : human liver tissue,

IF/ICC : HeLa cells,

Background Information

Ubiquitin-fold modifier 1 (Ufm1)-specific protease 2 (UfSP2) is a cysteine protease that is responsible for the release of Ufm1 from Ufm1-conjugated cellular proteins, as well as for the generation of mature Ufm1 from its precursor (PMID: 21228277). The MW of this protein is 53 kDa, and this antibody specially recognises the 53 kDa protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Min Ni	33473208	Genet Med	WB
Xin Xu	38905340	Sci Adv	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

*** 20ul sizes contain 0.1% BSA

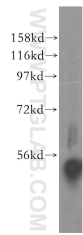
For technical support and original validation data for this product please contact:

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

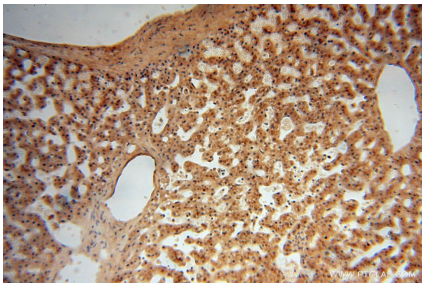
E: proteintech@ptglab.com
W: ptglab.com

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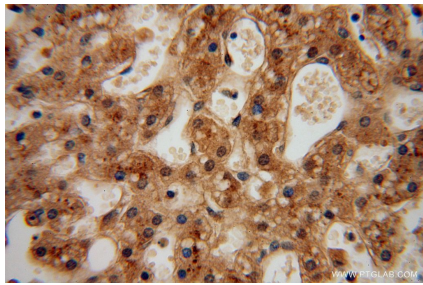
Selected Validation Data



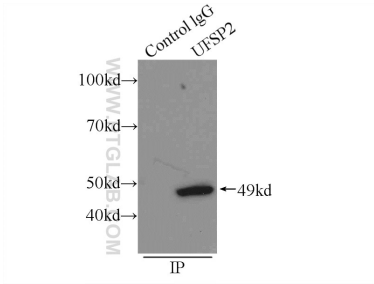
mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 16999-1-AP (UFSP2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



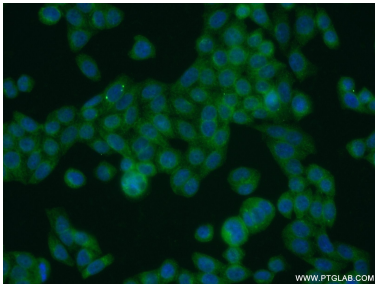
Immunohistochemical analysis of paraffin-embedded human liver using 16999-1-AP (UFSP2 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 16999-1-AP (UFSP2 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-UFSP2 (IP:16999-1-AP, 3ug; Detection:16999-1-AP 1:1000) with HepG2 cells lysate 1700ug.



Immunofluorescent analysis of HeLa cells using 16999-1-AP (UFSP2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).