

For Research Use Only

CPSF6 Polyclonal antibody

Catalog Number: 15489-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

15489-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7852

GenBank Accession Number:

BC000714

GeneID (NCBI):

11052

UNIPROT ID:

Q16630

Full Name:

cleavage and polyadenylation specific factor 6, 68kDa

Calculated MW:

59 kDa

Observed MW:

55-68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:250-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB: HeLa cells, HepG2 cells, Jurkat cells, PC-3 cells, MDA-MB-231 cells, SW480 cells

IP: HeLa cells,

IHC: human liver tissue, human heart tissue, human kidney tissue

IF/ICC: SW480 cells,

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 binding of Cleavage factor Im (CFIM), also known as CPSF6, to the pre-mRNA is one of the earliest steps in the assembly of the cleavage and polyadenylation machinery and facilitates the recruitment of other processing factors. CFIM is required for the first step in pre-mRNA 3'-end processing and can be reconstituted in vitro from its heterologously expressed 25- and 68-kDa subunits. It involved in RNA binding, protein-protein interactions, and subcellular localization [PMID:15169763]. In addition, it is a pre-mRNA processing protein that dynamically shuttles between the nucleus and the cytoplasm and contains a C-terminal nuclear-targeting arginine/serine-rich (RS-) domain of the type bound by TNPO3 [PMID:15169763,19864460].

Notable Publications

Author	Pubmed ID	Journal	Application
Augustin Penda Twizerimana	32907979	J Virol	WB
Bi-Jun Wang	32431549	Cancer Manag Res	WB
Evan Chaudhuri	32152226	J Biol Chem	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

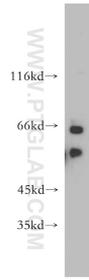
For technical support and original validation data for this product please contact:

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

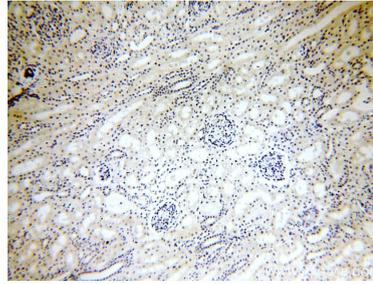
E: proteintech@ptglab.com
W: ptglab.com

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

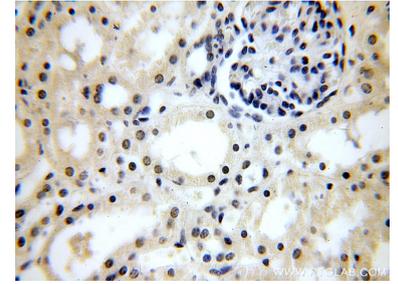
Selected Validation Data



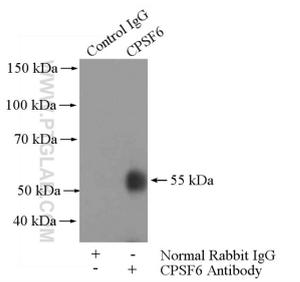
HeLa cells were subjected to SDS PAGE followed by western blot with 15489-1-AP (CPSF6 antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



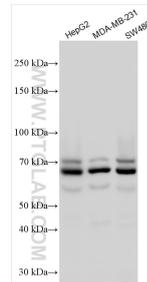
Immunohistochemical analysis of paraffin-embedded human kidney using 15489-1-AP (CPSF6 antibody) at dilution of 1:50 (under 10x lens).



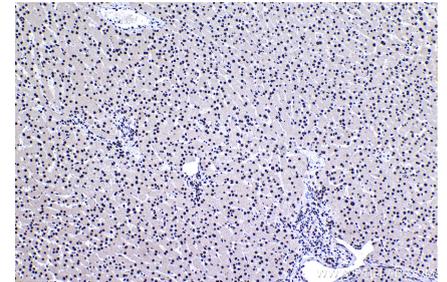
Immunohistochemical analysis of paraffin-embedded human kidney using 15489-1-AP (CPSF6 antibody) at dilution of 1:50 (under 40x lens).



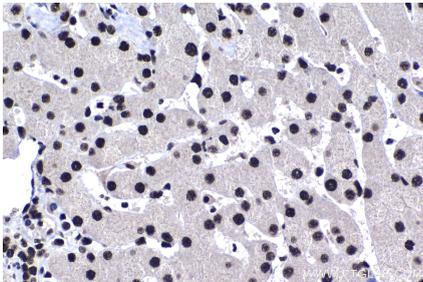
IP result of anti-CPSF6 (IP:15489-1-AP, 4ug; Detection:15489-1-AP 1:300) with HeLa cells lysate 3200ug.



Various lysates were subjected to SDS PAGE followed by western blot with 15489-1-AP (CPSF6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 15489-1-AP (CPSF6 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 human liver tissue slide using 15489-1-AP (CPSF6 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed SW480 cells using CPSF6 antibody (15489-1-AP) at dilution of 1:200 and CoralLite@488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).