

# CPSF6

## Polyclonal ANTIBODY

Catalog Number: 15489-1-AP

Featured Product

3 Publications

### Basic Information

**Catalog Number:**  
15489-1-AP

**Size:**  
40 µg/150 µl

**Source:**  
Rabbit

**Isotype:**  
IgG

**Purification Method:**  
Antigen affinity purification

**Immunogen Catalog Number:**  
AG7852

**GenBank Accession Number:**  
BC000714

**GeneID (NCBI):**  
11052

**Full Name:**  
cleavage and polyadenylation specific factor  
6, 68kDa

**Calculated MW:**  
59 kDa

**Observed MW:**  
55-68 kDa

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IHC 1:20-1:200

### Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human,mouse,rat

**Cited Species:**

human

**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 : HeLa cells; Jurkat cells, PC-3 cells

IP : HeLa cells;

IHC : human kidney tissue; human heart tissue

### 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 [PMD: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 [PMD:15169763, 19864460].

### Notable Publications

Author	Pubmed ID	Journal	Application
Matthew S Henning	24415937	PLoS Pathog	WB
Melissa Kane	30084827	Elife	WB
Akatsuki Saito	27076642	J Virol	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

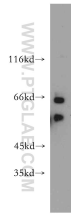
For technical support and original validation data for this product please contact:

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

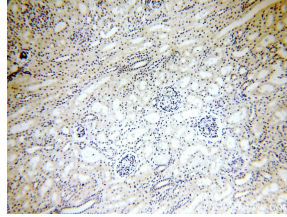
E: proteintech@ptglab.com  
W: ptglab.com

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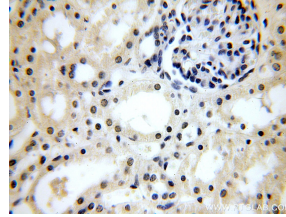
## Selected Validation Data



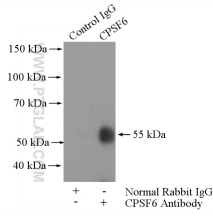
HeLa cells were subjected to SDS PAGE followed by western blot with 15489-1-AP/CPSF6 antibody at dilution of 1:100 incubated at room temperature for 1.5 hours



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.