

For Research Use Only

# TTF2 Polyclonal antibody

Catalog Number: 13722-1-AP

3 Publications



## Basic Information

### Catalog Number:

13722-1-AP

### Size:

150ul , Concentration: 1100 ug/ml by Nanodrop and 520 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4671

### GenBank Accession Number:

BC030058

### GeneID (NCBI):

8458

### UNIPROT ID:

Q9UNY4

### Full Name:

transcription termination factor, RNA polymerase II

### Calculated MW:

1162 aa, 129 kDa

### Observed MW:

130 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:20-1:200

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat

**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 : A2780 cells, HeLa cells, Jurkat cells

IP : A2780 cells,

IHC : human ovary tumor tissue,

IF/ICC : HeLa cells,

## Background Information

Transcription elongation is an key target for control of eukaryotic gene expression. After initiating from a promoter, the RNA polymerase II elongation complex is subjected to a block to elongation by the action of components of N-TEF (negative transcription elongation factor) [PMID: 9748214]. Transcription termination factor 2 (TTF2) is a DsDNA-dependent ATPase that acts as a transcription termination factor by coupling ATP hydrolysis with removal of RNA polymerase II from the DNA template. It also contribute to mitotic transcription repression, and involved in pre-mRNA splicing[PMID:15125840, 12927788].

## Notable Publications

Author	Pubmed ID	Journal	Application
Mei Ha	33250241	Sci Total Environ	WB
Weizhu Zhao	37225691	Nat Commun	IHC
Brannan Kris K	22483619	Mol Cell	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

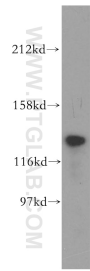
For technical support and original validation data for this product please contact:

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

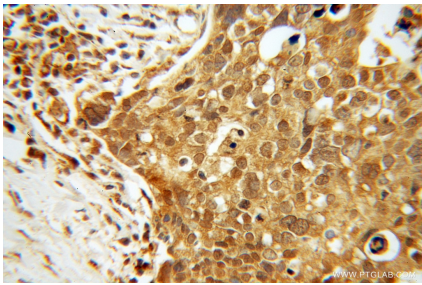
E: proteintech@ptglab.com  
W: ptglab.com

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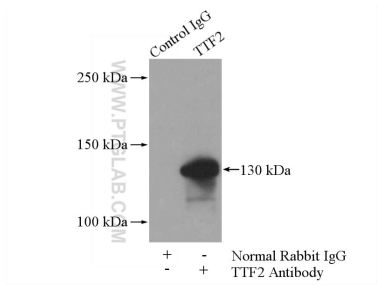
Selected Validation Data



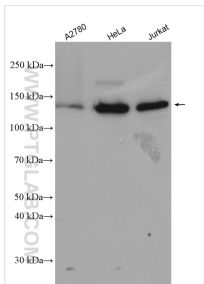
A2780 cells were subjected to SDS PAGE followed by western blot with 13722-1-AP (TTF2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



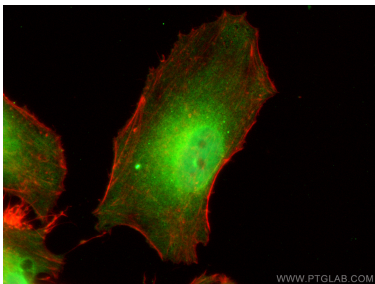
Immunohistochemical analysis of paraffin-embedded human ovary tumor using 13722-1-AP (TTF2 antibody) at dilution of 1:100 (under 40x lens).



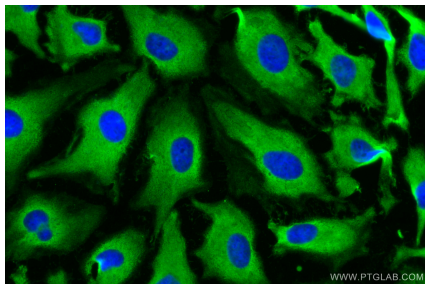
IP result of anti-TTF2 (IP:13722-1-AP, 4ug; Detection:13722-1-AP 1:500) with A2780 cells lysate 840ug.



Various lysates were subjected to SDS PAGE followed by western blot with 13722-1-AP (TTF2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TTF2 antibody (13722-1-AP) at dilution of 1:400 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (black).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using TTF2 antibody (13722-1-AP) at dilution of 1:400 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).