

For Research Use Only

# TTF2 Polyclonal antibody

Catalog Number: 13722-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 13722-1-AP	<b>GenBank Accession Number:</b> BC030058	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1100 µg/ml by Nanodrop and 520 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8458	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> transcription termination factor, RNA polymerase II	<b>IHC 1:20-1:200</b> <b>IF 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1162 aa, 129 kDa	
<b>Immunogen Catalog Number:</b> AG4671	<b>Observed MW:</b> 130 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : A2780 cells, HeLa cells, Jurkat cells
<b>Cited Applications:</b> IHC, WB	<b>IP :</b> A2780 cells,
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human ovary tumor tissue,
<b>Cited Species:</b> human, rat	<b>IF :</b> HeLa 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

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

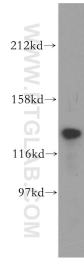
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

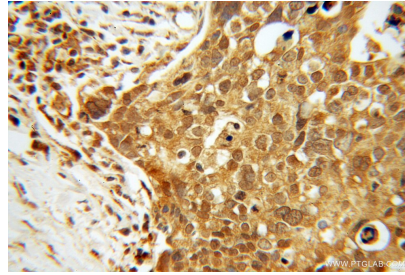
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

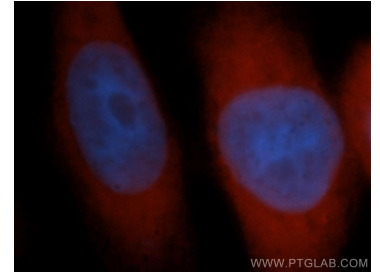
## Selected Validation Data



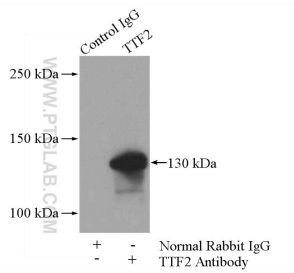
A2780 cells were subjected to SDS PAGE followed by western blot with 13722-1-AP (TTF2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



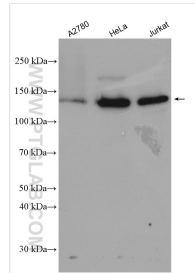
Immunohistochemical analysis of paraffin-embedded human ovary tumor using 13722-1-AP (TTF2 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using TTF2 antibody 13722-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP Result of anti-TTF2 (IP:13722-1-AP, 4 $\mu$ g; Detection:13722-1-AP 1:500) with A2780 cells lysate 840 $\mu$ g.



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.