

For Research Use Only

# GTF3C2 Polyclonal antibody

Catalog Number: 27494-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 27494-1-AP	<b>GenBank Accession Number:</b> BC020981	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2976	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:50-1:500 IF/ICC 1:400-1:1600
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8WUA4	
<b>Isotype:</b> IgG	<b>Full Name:</b> general transcription factor IIIC, polypeptide 2, beta 110kDa	
<b>Immunogen Catalog Number:</b> AG26666	<b>Calculated MW:</b> 101 kDa	
	<b>Observed MW:</b> 100-110 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : HEK-293T cells, A549 cells, HeLa cells, HepG2 cells, MCF-7 cells, PC-3 cells
<b>Cited Applications:</b> WB	<b>IHC :</b> human thyroid cancer tissue, human cervical cancer tissue
<b>Species Specificity:</b> human	<b>IF/ICC :</b> HeLa cells,
<b>Cited Species:</b> human	

**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

GTF3C2, also named as KIAA0011, is a 911 amino acid protein, which localizes in the nucleus. GTF3C2 is required for RNA polymerase III-mediated transcription. GTF3C2 is a component of TFIIC that initiates transcription complex assembly on tRNA and is required for transcription of 5S rRNA and other stable nuclear and cytoplasmic RNAs. GTF3C2 may play a direct role in stabilizing interactions of TFIIC2 with TFIIC1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Aiko Iwata-Otsubo	38520561	Hum Genet	WB

## Storage

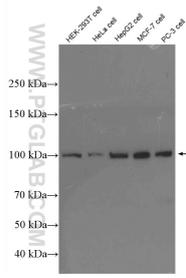
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

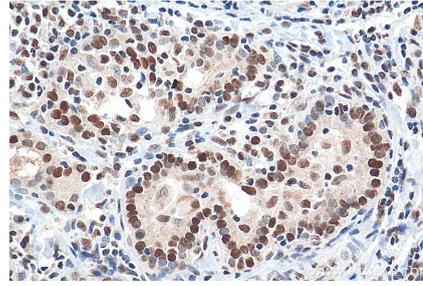
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

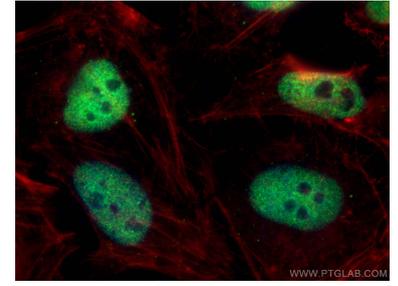
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27494-1-AP (GTF3C2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 27494-1-AP (GTF3C2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using GTF3C2 antibody (27494-1-AP) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).