

For Research Use Only

TFII I Polyclonal antibody

Catalog Number:10499-1-AP **3 Publications**



Basic Information

Catalog Number: 10499-1-AP	GenBank Accession Number: BC004472	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop and 240 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2969	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:250-1:1000 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: P78347	
Isotype: IgG	Full Name: general transcription factor II, i	
Immunogen Catalog Number: AG0773	Calculated MW: 112 kDa	
	Observed MW: 135 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

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 : HEK-293 cells, HeLa cells, Jurkat cells

IHC : human thyroid cancer tissue, human colon cancer tissue, human urothelial carcinoma tissue, mouse small intestine tissue, rat kidney tissue, rat small intestine tissue

IF/ICC : HeLa cells,

Background Information

The GTF2I gene encodes a transcription factor. It negatively regulates agonist-induced calcium entry into cells by interfering with expression of the cation channel TRPC3 at the plasma membrane [PMID: 17023658]. As a transcription factor and/or as a regulator of intracellular calcium levels, GTF2I may play a role in the molecular basis of anxiety [PMID: 22578324]. It interacts with the basal transcription machinery by coordinating the formation of a multiprotein complex at the C-FOS promoter, and linking specific signal responsive activator complexes. Required for the formation of functional ARID3A DNA-binding complexes and for activation of immunoglobulin heavy-chain transcription upon B-lymphocyte activation [PMID: 16738337].

Notable Publications

Author	Pubmed ID	Journal	Application
Jing Chen	34650978	Front Cell Dev Biol	WB
Qiang Wang	35978186	Nature	WB
Terry R Suk	37009224	iScience	IF

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**

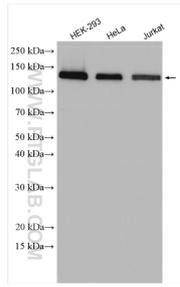
For technical support and original validation data for this product please contact:

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

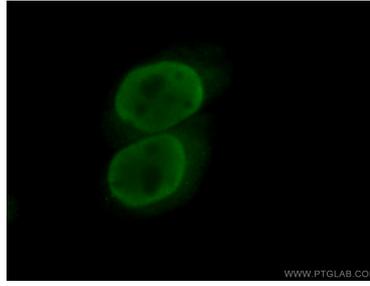
E: proteintech@ptglab.com
W: ptglab.com

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

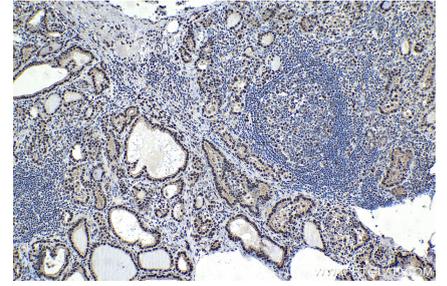
Selected Validation Data



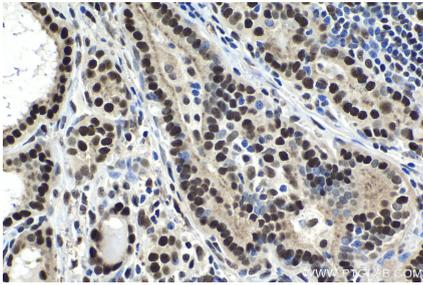
Various lysates were subjected to SDS PAGE followed by western blot with 10499-1-AP (TFII I antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 10499-1-AP (TFII I antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



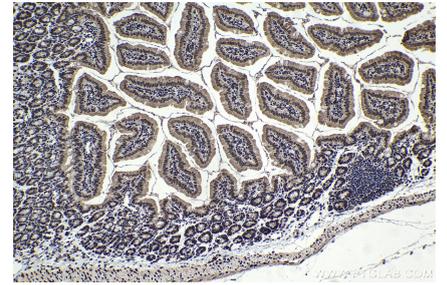
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 10499-1-AP (TFII I antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



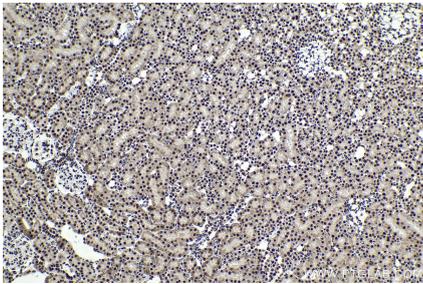
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 10499-1-AP (TFII I antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



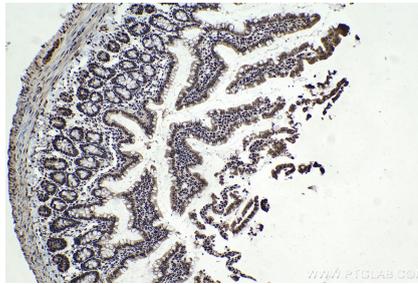
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 10499-1-AP (TFII I antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 10499-1-AP (TFII I 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 rat kidney tissue slide using 10499-1-AP (TFII I 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 rat small intestine tissue slide using 10499-1-AP (TFII I antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).