

TFII I Polyclonal antibody

Catalog Number: 10499-1-AP

2 Publications

Basic Information

Catalog Number: 10499-1-AP	GenBank Accession Number: BC004472	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 240 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2969	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	Full Name: general transcription factor II, i	
Isotype: IgG	Calculated MW: 112 kDa	
Immunogen Catalog Number: AG0773	Observed MW: 135 kDa	

Applications

Tested Applications: FC, IF, IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : HEK-293 cells, HeLa cells, Jurkat cells
Species Specificity: human, mouse, rat	IHC : human ovary tumor tissue, human colon cancer tissue
Cited Species: human, mouse	IF : 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

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

Storage

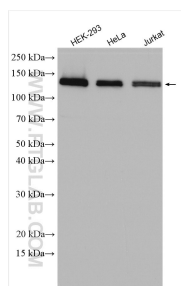
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
 Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

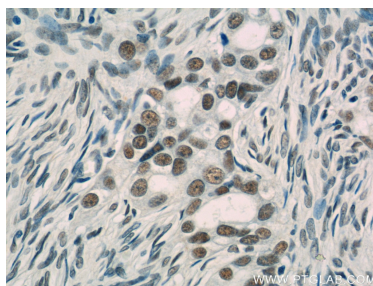
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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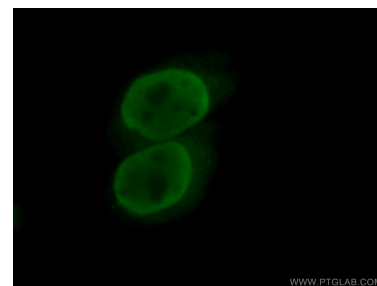
Selected Validation Data



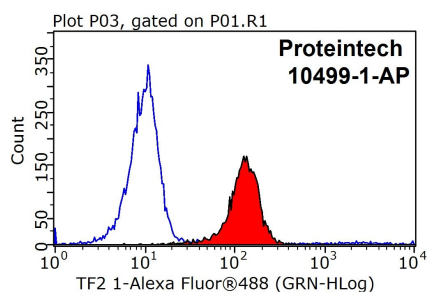
Various lysates were subjected to SDS PAGE followed by western blot with 10499-1-AP (TFII I antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 10499-1-AP (TFII I antibody) at dilution of 1:50 (under 40x lens).



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).



1X10⁶ HeLa cells were stained with 0.2ug TFII I antibody (10499-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.