

## TFII I Polyclonal Antibody

Catalog number: 10499-1-AP

Size: 36 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

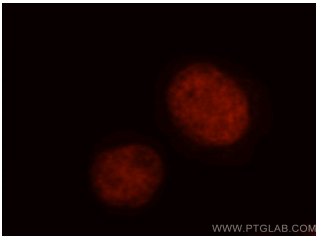
GTF2I; BAP 135, BAP135, BTK associated protein 135,

BTKAP1, DIWS, FLJ38776,

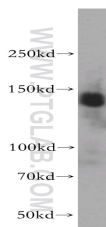
FLJ56355, GTF2I, GTFII I, IB291,

SPIN, SRF Phox1 interacting

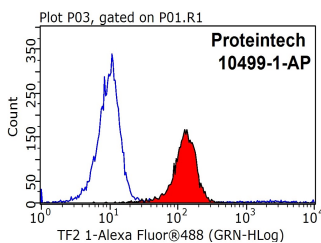
protein, TFII I, WBS, WBSR6



Immunofluorescent analysis of HeLa cells, using GTF2I antibody 10499-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10499-1-AP (GTF2I antibody) at dilution of 1:800



1X10<sup>6</sup> HeLa cells were stained with 0.2µg GTF2I 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.

### Background

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].

### Applications

Tested applications:	ELISA, WB, IF, FC, IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated TFII I MW:	112 kDa
Observed TFII I MW:	135 kDa
Positive WB detected in	HEK-293 cells, HeLa cells, Jurkat cells
Positive IHC detected in	Human ovary tumor tissue, human colon cancer tissue
Positive IF detected in	HeLa cells
Positive FC detected in	HeLa cells
Recommended dilution:	WB: 1:200-1:2000
	IHC: 1:20-1:200
	IF: 1:20-1:200
	FC: N/A

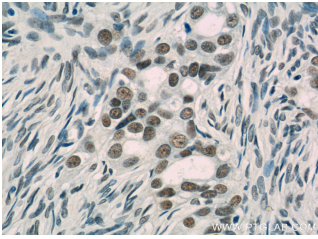
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0773
GenBank accession number:	BC004472
Gene ID (NCBI):	2969
Full name:	General transcription factor II, i

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



**Immunohistochemistry of paraffin-embedded human ovary tumor tissue slide using 10499-1-AP( GTF2I Antibody) at dilution of 1:50 (under 40x lens)**