

For Research Use Only

# TAF1-Specific Polyclonal antibody

Catalog Number: 20260-1-AP

3 Publications



## Basic Information

### Catalog Number:

20260-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_138923

### GeneID (NCBI):

6872

### UNIPROT ID:

P21675

### Full Name:

TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa

### Calculated MW:

213 kDa

### Observed MW:

250-260 kDa, 50 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:1000-1:6000

IHC: 1:300-1:1200

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse

### Cited Species:

human

### Positive Controls:

WB: HEK-293T cells, mouse brain tissue, HeLa cells, Jurkat cells, K-562 cells

IHC: human prostate cancer tissue, human brain tissue

**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

TAF1, also named as BA2R, CCG1, CCGS, TAF2A, p250, Cell cycle gene 1 protein, TAFII250 and DYT3, belongs to the TAF1 family. TAF1 is the largest component and core scaffold of the TFIID basal transcription factor complex. It contains novel N- and C-terminal Ser/Thr kinase domains which can autophosphorylate or transphosphorylate other transcription factors. TAF1 phosphorylates TP53 on 'Thr-55' which leads to MDM2-mediated degradation of TP53. TAF1 phosphorylates GTF2A1 and GTF2F1 on Ser residues. It possesses DNA-binding activity. It is essential for progression of the G1 phase of the cell cycle. Defects in TAF1 are the cause of dystonia type 3 (DYT3) which also called X-linked dystonia-parkinsonism (XDP). The antibody is specific to TAF1. It has several isoforms with predicted MW's of 200-250 kDa and 170-180 kDa, it also could get about 50 kDa band which is caused by the lysate preparation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoyu Yu	35029057	J Extracell Vesicles	WB
Qian Qin	38741170	J Transl Med	
Qingyu Lin	37014700	J Clin Invest	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

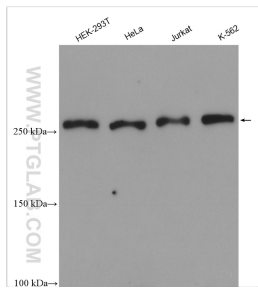
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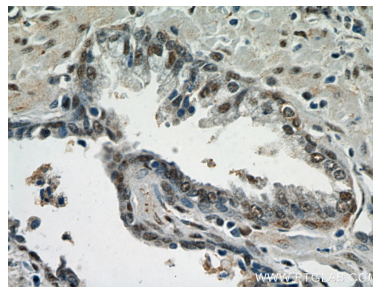
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20260-1-AP (TAF1-Specific antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 20260-1-AP (TAF1-Specific antibody) at dilution of 1:600 (under 40x lens).