For Research Use Only

TAF1-Specific Polyclonal antibody

Catalog Number:20260-1-AP 4 Publications

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Basic Information

Catalog Number:
20260-1-AP

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

IHC : human prostate cancer tissue, human brain tissue

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
Qing Gao	42193300	Biomedicines	WB
Qian Qin	38741170	J Transl Med	

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

For technical support and original validation data for this product please contact:
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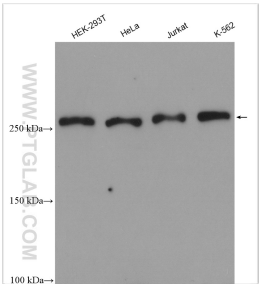
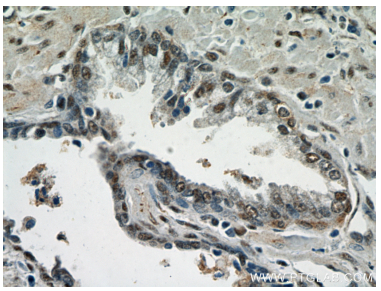
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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).