

For Research Use Only

TAF12 Polyclonal antibody

Catalog Number: 12353-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

12353-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3017

GenBank Accession Number:

BC011986

GeneID (NCBI):

6883

UNIPROT ID:

Q16514

Full Name:

TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 20kDa

Calculated MW:

18 kDa

Observed MW:

21 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

WB, IHC, ChIP

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB: Y79 cells,

IP: Y79 cells,

Background Information

TAF12, also named TAF15 or TAF2J, is a TBP-associated factor that is contained in Pol I- and Pol II-specific TBP-TAF complexes, it is also a component of the transcription factor IID (TFIID) complex, which is essential for mediating regulation of RNA polymerase transcription. TAF12 plays a key role in regulating eukaryotic gene expression by directly binding promoters and enhancer-bound transactivator proteins. Likewise, TAF12 recruits Gadd45a and the nucleotide excision repair complex to the promoter of rRNA genes leading to active DNA demethylation. Observed MW of TAF12 is from 14-17 kDa and 17-21 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Sun Quanhong Q	23794264	J Bone Miner Res	WB
Jumpei Teramachi	24339057	J Bone Miner Res	WB
Jumpei Teramachi	23426901	J Bone Miner Res	ChIP, 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

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

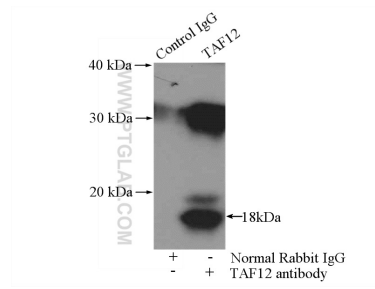
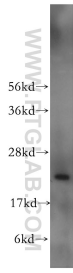
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Y79 cells were subjected to SDS PAGE followed by western blot with 12353-1-AP (TAF12 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.

IP result of anti-TAF12 (IP:12353-1-AP, 4ug; Detection:12353-1-AP 1:300) with Y79 cells lysate 2000ug.