

TAF1 polyclonal antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11637**Specification**

TAF1 polyclonal antibody - Product Information

Application	WB
Primary Accession	P21675
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	214714

TAF1 polyclonal antibody - Additional Information**Gene ID** 6872**Other Names**

TAF (II) 250, TBP-associated factor 250 kDa, p250, BA2R, CCG1, CCGS, TAF2A

Target/Specificity

TAF1

Formulation

In PBS with 0.05% (W/V) sodium azide.

Handling

The antibody solution should be gently mixed before use.

Background Descriptions**Precautions**

TAF1 polyclonal antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TAF1 polyclonal antibody - Protein Information**Name** TAF1 ([HGNC:11535](#))**Synonyms** BA2R, CCG1, CCGS, TAF2A**Function**

The TFIID basal transcription factor complex plays a major role in the initiation of RNA polymerase II (Pol II)-dependent transcription (PubMed:<[a href="http://www.uniprot.org/citations/33795473"](http://www.uniprot.org/citations/33795473) target="_blank">33795473). TFIID recognizes and binds promoters with or without a TATA box via its subunit TBP, a TATA-box-binding protein, and promotes assembly of the pre-initiation complex (PIC) (PubMed:<[a href="http://www.uniprot.org/citations/33795473"](http://www.uniprot.org/citations/33795473)

target="_blank">33795473). The TFIID complex consists of TBP and TBP-associated factors (TAFs), including TAF1, TAF2, TAF3, TAF4, TAF5, TAF6, TAF7, TAF8, TAF9, TAF10, TAF11, TAF12 and TAF13 (PubMed:33795473). TAF1 is the largest component and core scaffold of the TFIID complex, involved in nucleating complex assembly (PubMed:25412659, PubMed:27007846, PubMed:33795473). TAF1 forms a promoter DNA binding subcomplex of TFIID, together with TAF7 and TAF2 (PubMed:33795473). Contains novel N- and C-terminal Ser/Thr kinase domains which can autophosphorylate or transphosphorylate other transcription factors (PubMed:25412659, PubMed:8625415). Phosphorylates TP53 on 'Thr-55' which leads to MDM2- mediated degradation of TP53 (PubMed:25412659). Phosphorylates GTF2A1 and GTF2F1 on Ser residues (PubMed:25412659). Possesses DNA-binding activity (PubMed:25412659). Essential for progression of the G1 phase of the cell cycle (PubMed:11278496, PubMed:15053879, PubMed:2038334, PubMed:8450888, PubMed:8625415, PubMed:9660973, PubMed:9858607). Exhibits histone acetyltransferase activity towards histones H3 and H4 (PubMed:15870300).

Cellular Location

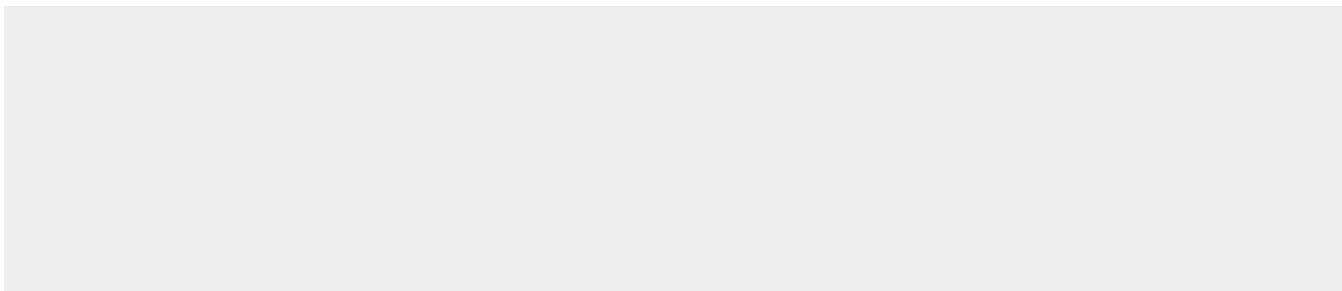
Nucleus

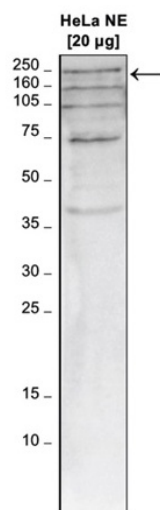
TAF1 polyclonal antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TAF1 polyclonal antibody - Images





Western blot was performed on nuclear extracts from HeLa cells (20ug) with the antibody diluted 1:1000 in TBS-Tween containing 5% skimmed milk. The molecular weight marker is shown on the left; the location of the protein of interest is indicated on the right.

TAF1 polyclonal antibody - Background

TAF1 is the largest component and core scaffold of the TFIID basal transcription factor complex which also includes TBP. The protein is able to auto phosphorylate or trans phosphorylate other transcription factors such as TP53 on 'Thr-55', leading to MDM2-mediated degradation of TP53, and GTF2A1 and GTF2F1 on Ser residues. TAF1 possesses DNA-binding activity and is essential for progression of the G1 phase of the cell cycle.