

TAF1 Antibody (aa1131-1180)
Rabbit Polyclonal Antibody
Catalog # ALS15439**Specification**

TAF1 Antibody (aa1131-1180) - Product Information

Application	IHC
Primary Accession	P21675
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	213kDa KDa

TAF1 Antibody (aa1131-1180) - Additional Information**Gene ID** 6872**Other Names**

Transcription initiation factor TFIID subunit 1, 2.3.1.48, 2.7.11.1, Cell cycle gene 1 protein, TBP-associated factor 250 kDa, p250, Transcription initiation factor TFIID 250 kDa subunit, TAF(II)250, TAFII-250, TAFII250, TAF1, BA2R, CCG1, CCGS, TAF2A

Target/Specificity

TAF1 Antibody detects endogenous levels of total TAF1 protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

TAF1 Antibody (aa1131-1180) is for research use only and not for use in diagnostic or therapeutic procedures.

TAF1 Antibody (aa1131-1180) - 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: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: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

Volume

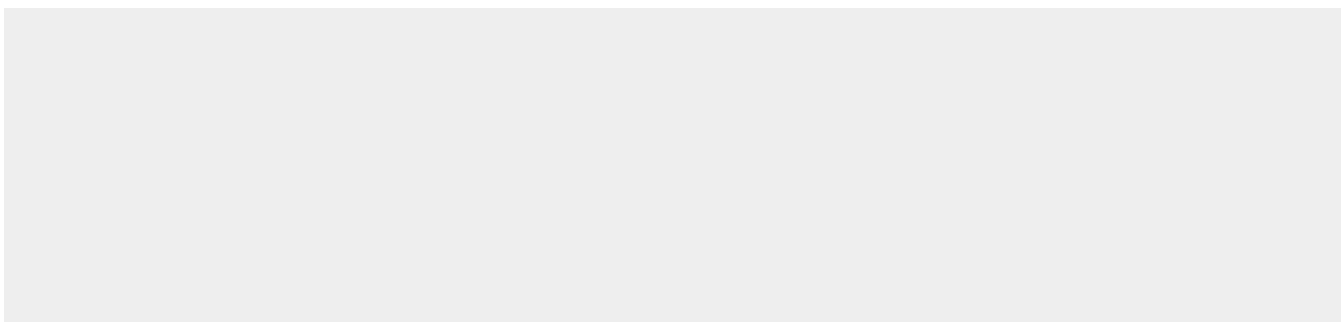
50 µl

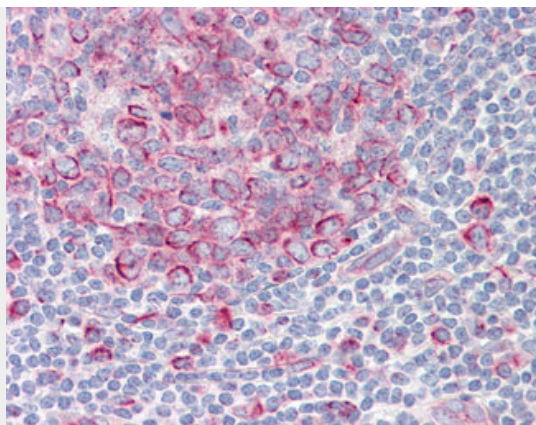
TAF1 Antibody (aa1131-1180) - Protocols

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 Antibody (aa1131-1180) - Images





Anti-TAF1 antibody IHC of human tonsil.

TAF1 Antibody (aa1131-1180) - Background

Largest component and core scaffold of the TFIID basal transcription factor complex. Contains novel N- and C-terminal Ser/Thr kinase domains which can autophosphorylate or transphosphorylate other transcription factors. Phosphorylates TP53 on 'Thr-55' which leads to MDM2-mediated degradation of TP53. Phosphorylates GTF2A1 and GTF2F1 on Ser residues. Possesses DNA- binding activity. Essential for progression of the G1 phase of the cell cycle. Exhibits histone acetyltransferase activity towards histones H3 and H4.

TAF1 Antibody (aa1131-1180) - References

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Sekiguchi T.,et al.EMBO J. 7:1683-1687(1988).
Ruppert S.,et al.Nature 362:175-179(1993).
Makino S.,et al.Am. J. Hum. Genet. 80:393-406(2007).
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