

TAF5 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50771**Specification**

TAF5 Antibody - Product Information

Application	WB, IHC
Primary Accession	Q15542
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	87,81(100kd) KDa
Antigen Region	402-429

TAF5 Antibody - Additional Information**Gene ID** 6877**Other Names**

Transcription initiation factor TFIID subunit 5, Transcription initiation factor TFIID 100 kDa subunit, TAF(II)100, TAFII-100, TAFII100, TAF5, TAF2D

Dilution

WB~~ 1:1000

IHC~~1:50-100

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

TAF5 Antibody - Protein Information**Name** TAF5**Synonyms** TAF2D**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).

target="_blank">33795473, PubMed:8758937, PubMed:8942982, PubMed:9045704). The TFIID complex structure can be divided into 3 modules TFIID-A, TFIID-B, and TFIID-C (PubMed:33795473). TAF5 is involved in two modules of TFIID, in TFIID-A together with TAF3 and TBP, and in TFIID-B with TAF8 (PubMed:33795473). Involved in contacts between TFIID and TFIIF in the PIC (PubMed:33795473).

Cellular Location

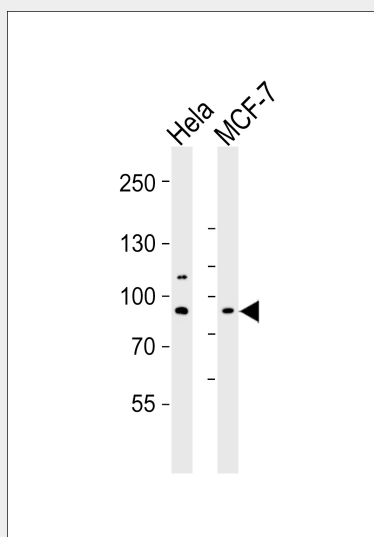
Nucleus.

TAF5 Antibody - Protocols

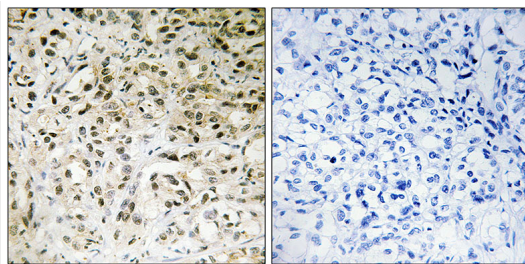
Provided below are standard protocols that you may find useful for product applications.

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

TAF5 Antibody - Images



Western blot analysis of lysates from HeLa, MCF-7 cell line (from left to right), using TAF5 Antibody (AP50771). AP50771 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.



Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue using TAF5 antibody.

TAF5 Antibody - Background

TAFs are components of the transcription factor IID (TFIID) complex, PCAF histone acetylase complex and TBP-free TAFII complex (TFTC). TAFs components-TIIFD are essential for mediating regulation of RNA polymerase transcription. TAF5/TAFII100 interacts strongly with the histone H4-related TAF6/TAFII80 and the histone H3-related TAF9/TAFII31, as well as a stable complex comprised of both TAF5/TAFII80 and TAF6/TAFII31. Apparently weaker interactions of TAF5/TAFII100 with TBP, TAF1/TAFII250, TAF11/TAFII28, and TAF12/TAFII20, but not TAF7/TAFII55, also have been observed.

TAF5 Antibody - References

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Tanese N.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:13611-13616(1996).
Tao Y.,et al.J. Biol. Chem. 272:6714-6721(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Totoki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.