

**TAF8 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5590**

**Specification**

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**TAF8 Antibody (Center) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q7Z7C8</a>
Other Accession	<a href="#">A7MAZ4</a> , <a href="#">Q5ZMS1</a>
Reactivity	Human
Predicted	Bovine, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=34,37;M=29,34,35,24 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**TAF8 Antibody (Center) - Additional Information**

**Gene ID** 129685

**Antigen Region**  
151-178

**Other Names**

Transcription initiation factor TFIID subunit 8, Protein taube nuss, TBP-associated factor 43 kDa, TBP-associated factor 8, Transcription initiation factor TFIID 43 kDa subunit, TAFII-43, TAFII43, hTAFII43, TAF8, TAFII43, TBN

**Dilution**

WB~~1:2000  
IHC-P~~1:10~50

**Target/Specificity**

This TAF8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 151-178 amino acids from the Central region of human TAF8.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TAF8 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**TAF8 Antibody (Center) - Protein Information**

**Name** TAF8

## Synonyms TAFII43, TBN

### 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" target="\_blank">33795473</a>). 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" target="\_blank">33795473</a>). 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:<a href="http://www.uniprot.org/citations/33795473" target="\_blank">33795473</a>). The TFIID complex structure can be divided into 3 modules TFIID-A, TFIID-B, and TFIID-C (PubMed:<a href="http://www.uniprot.org/citations/33795473" target="\_blank">33795473</a>). TAF8 is involved in forming the TFIID-B module, together with TAF5 (PubMed:<a href="http://www.uniprot.org/citations/33795473" target="\_blank">33795473</a>). Mediates both basal and activator-dependent transcription (PubMed:<a href="http://www.uniprot.org/citations/14580349" target="\_blank">14580349</a>). Plays a role in the differentiation of preadipocyte fibroblasts to adipocytes, however, does not seem to play a role in differentiation of myoblasts (PubMed:<a href="http://www.uniprot.org/citations/14580349" target="\_blank">14580349</a>). Required for the integration of TAF10 in the TAF complex (PubMed:<a href="http://www.uniprot.org/citations/14580349" target="\_blank">14580349</a>). May be important for survival of cells of the inner cell mass which constitute the pluripotent cell population of the early embryo (By similarity).

### Cellular Location

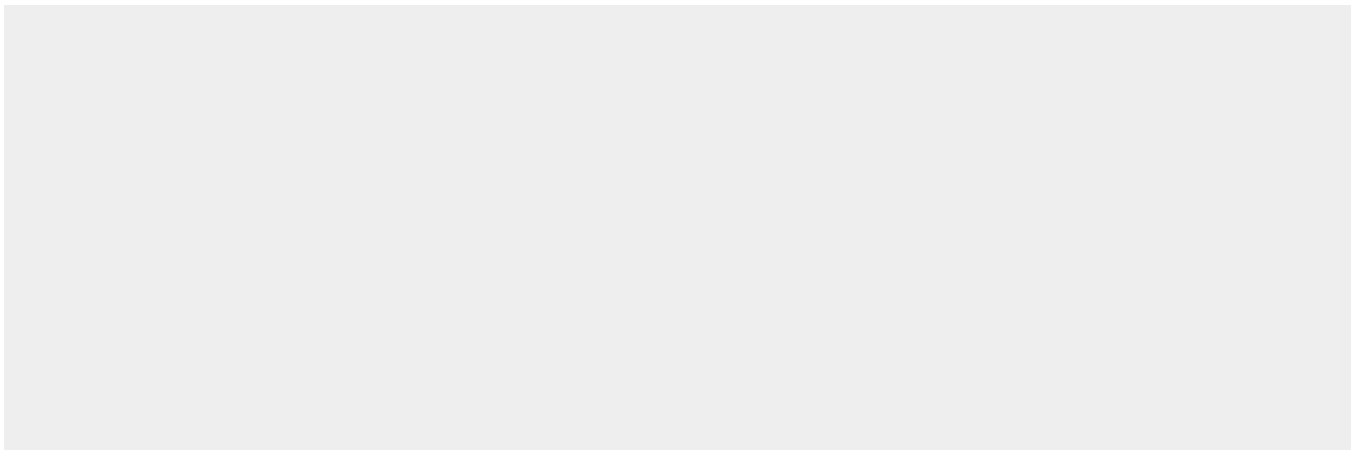
Nucleus. Cytoplasm Note=Predominantly nuclear.

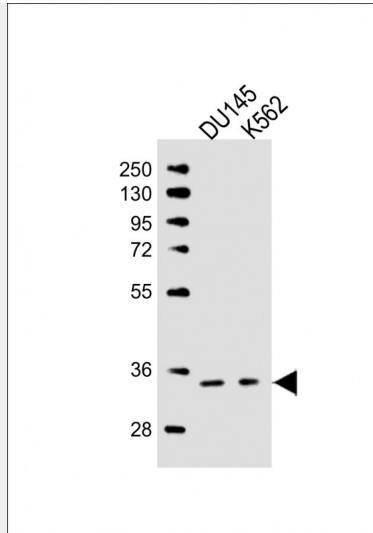
## TAF8 Antibody (Center) - Protocols

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

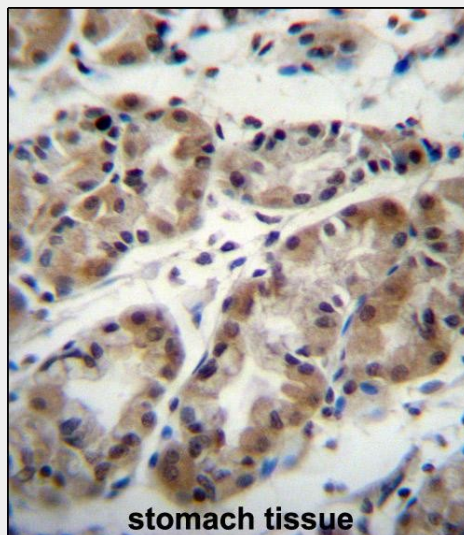
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## TAF8 Antibody (Center) - Images





All lanes : Anti-TAF8 Antibody (Center) at 1:2000 dilution Lane 1: DU145 whole cell lysate Lane 2: K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



TAF8 Antibody (Center) (Cat. #AW5590) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TAF8 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

### **TAF8 Antibody (Center) - Background**

This gene encodes one of several TATA-binding protein (TBP)-associated factors (TAFs), which are integral subunits of the general transcription factor complex TFIID. TFIID recognizes the core promoter of many genes and nucleates the assembly of a transcription preinitiation complex containing RNA polymerase II and other initiation factors. The protein encoded by this gene contains an H4-like histone fold domain, and interacts with several subunits of TFIID including TBP and the histone-fold protein TAF10. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by

RefSeq].

### **TAF8 Antibody (Center) - References**

Ganesh, S.K., et al. Nat. Genet. 41(11):1191-1198(2009)  
Soranzo, N., et al. Nat. Genet. 41(11):1182-1190(2009)  
Chapuis, J., et al. Mol. Psychiatry 14(11):1004-1016(2009)  
Soutoglou, E., et al. Mol. Cell. Biol. 25(10):4092-4104(2005)  
Guermah, M., et al. Mol. Cell 12(4):991-1001(2003)