

TAF11 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant TAF11.

Catalog # AT4140a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q15544
Other Accession	NM_005643
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2G9
Calculated MW	23307

Additional Information

Gene ID	6882
Other Names	Transcription initiation factor TFIID subunit 11, TFIID subunit p30-beta, Transcription initiation factor TFIID 28 kDa subunit, TAF(II)28, TAFII-28, TAFII28, TAF11, TAF2I
Target/Specificity	TAF11 (NP_005634, 158 a.a. ~ 210 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	TAF11 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

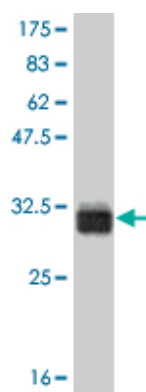
Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. This gene encodes a small subunit of TFIID that is present in all TFIID complexes and interacts with TBP. This subunit also interacts with another small subunit, TAF13, to form a heterodimer with a structure similar to

the histone core structure.

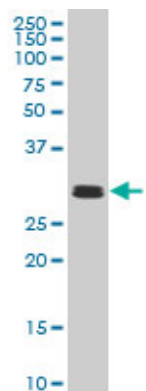
References

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. *Genome Res*, 2004 Oct. PMID 15489334. The TBN protein, which is essential for early embryonic mouse development, is an inducible TAFII implicated in adipogenesis. Guermah M, et al. *Mol Cell*, 2003 Oct. PMID 14580349. The DNA sequence and analysis of human chromosome 6. Mungall AJ, et al. *Nature*, 2003 Oct 23. PMID 14574404. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. *Proc Natl Acad Sci U S A*, 2002 Dec 24. PMID 12477932. The human transcription factor IID subunit human TATA-binding protein-associated factor 28 interacts in a ligand-reversible manner with the vitamin D(3) and thyroid hormone receptors. Mengus G, et al. *J Biol Chem*, 2000 Apr 7. PMID 10744685.

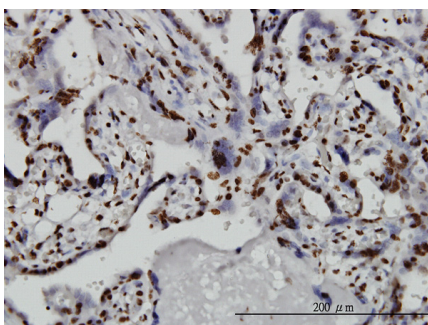
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (31.46 KDa) .

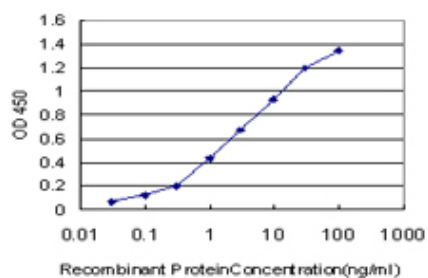
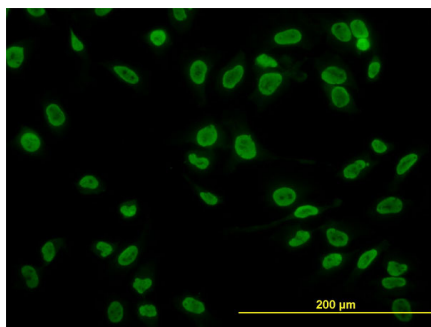


TAF11 monoclonal antibody (M04), clone 2G9 Western Blot analysis of TAF11 expression in HeLa S3 NE (Cat # AT4140a)



Immunoperoxidase of monoclonal antibody to TAF11 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]

Immunofluorescence of monoclonal antibody to TAF11 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged TAF11 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.