

TAF12 Antibody (monoclonal) (M11)

Mouse monoclonal antibody raised against a full-length recombinant TAF12.

Catalog # AT4142a

Product Information

Application	WB, IF, E
Primary Accession	Q16514
Other Accession	BC011986
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1E11
Calculated MW	17924

Additional Information

Gene ID	6883
Other Names	Transcription initiation factor TFIID subunit 12, Transcription initiation factor TFIID 20/15 kDa subunits, TAFII-20/TAFII-15, TAFII20/TAFII15, TAF12, TAF15, TAF2J, TAFII20
Target/Specificity	TAF12 (AAH11986, 1 a.a. ~ 161 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	TAF12 Antibody (monoclonal) (M11) is for research use only and not for use in diagnostic or therapeutic procedures.

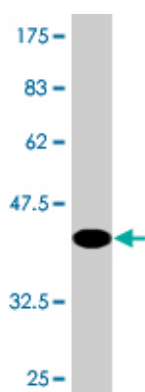
Background

Control of transcription by RNA polymerase II involves the basal transcription machinery which is a collection of proteins. These proteins with RNA polymerase II, assemble into complexes which are modulated by transactivator proteins that bind to cis-regulatory elements located adjacent to the transcription start site. Some modulators interact directly with the basal complex, whereas others may act as bridging proteins linking transactivators to the basal transcription factors. Some of these associated factors are weakly attached while others are tightly associated with TBP in the TFIID complex. Among the latter are the TAF proteins. Different TAFs are predicted to mediate the function of distinct transcriptional activators for a variety of gene promoters and RNA polymerases. TAF12 interacts directly with TBP as well as with TAF2I. Two transcript variants encoding the same protein have been found for this gene.

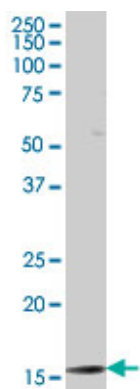
References

TAF4/4b x TAF12 displays a unique mode of DNA binding and is required for core promoter function of a subset of genes. Gazit K, et al. J Biol Chem, 2009 Sep 25. PMID 19635797. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348. Identification of novel functional TBP-binding sites and general factor repertoires. Denissov S, et al. EMBO J, 2007 Feb 21. PMID 17268553. The DNA sequence and biological annotation of human chromosome 1. Gregory SG, et al. Nature, 2006 May 18. PMID 16710414. Glutamine-expanded ataxin-7 alters TERC/STAGA recruitment and chromatin structure leading to photoreceptor dysfunction. Helmlinger D, et al. PLoS Biol, 2006 Mar. PMID 16494529.

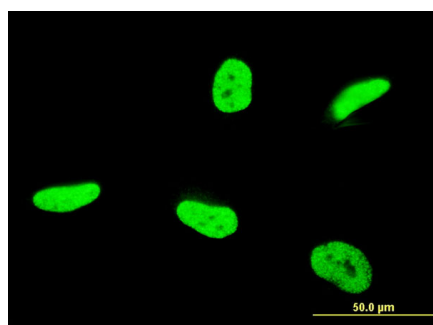
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43.45 KDa) .

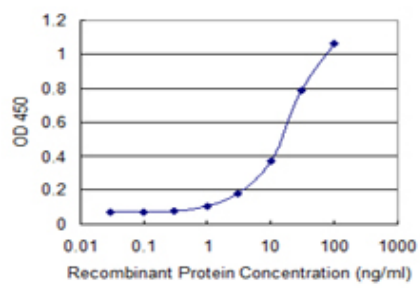


TAF12 monoclonal antibody (M11), clone 1E10. Western Blot analysis of TAF12 expression in HeLa S3 NE (Cat # AT4142a)



Immunofluorescence of monoclonal antibody to TAF12 on HeLa cell . [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged TAF12 is 0.3 ng/ml as a capture antibody.



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