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TAF7 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TAF7.
Catalog # AT4147a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q15545
Other Accession	BC032737
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2C5
Calculated MW	40259

Additional Information

Gene ID	6879
Other Names	Transcription initiation factor TFIID subunit 7, RNA polymerase II TBP-associated factor subunit F, Transcription initiation factor TFIID 55 kDa subunit, TAF(II)55, TAFII-55, TAFII55, TAF7, TAF2F, TAFII55
Target/Specificity	TAF7 (AAH32737, 130 a.a. ~ 224 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	TAF7 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

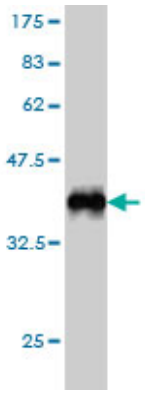
Background

The intronless gene for this transcription coactivator is located between the protocadherin beta and gamma gene clusters on chromosome 5. The protein encoded by this gene is a component of the TFIID protein complex, a complex which binds to the TATA box in class II promoters and recruits RNA polymerase II and other factors. This particular subunit interacts with the largest TFIID subunit, as well as multiple transcription activators. The protein is required for transcription by promoters targeted by RNA polymerase II.

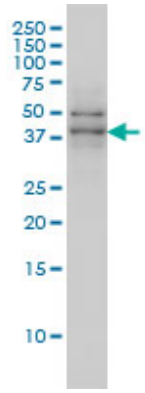
References

1.Core promoter factor TAF9B regulates neuronal gene expression.Herrera FJ, Yamaguchi T, Roelink H, Tjian RElife (Cambridge). 2014 Jul 8;3:e02559. doi: 10.7554/eLife.02559.2.Taf7l cooperates with Trf2 to regulate spermiogenesis.Zhou H, Grubisic I, Zheng K, He Y, Wang PJ, Kaplan T, Tjian RProc Natl Acad Sci U S A. 2013 Oct 15;110(42):16886-91. doi: 10.1073/pnas.1317034110. Epub 2013 Sep 30.3.Dual functions of TAF7L in adipocyte differentiation.Zhou H, Kaplan T, Li Y, Grubisic I, Zhang Z, Wang PJ, Eisen MB, Tjian R.elife. 2013;2:e00170. doi: 10.7554/eLife.00170. Epub 2013 Jan 8.4.Core promoter recognition complex changes accompany liver development.D'Alessio JA, Ng R, Willenbring H, Tjian R.Proc Natl Acad Sci U S A. 2011 Mar 8;108(10):3906-11. Epub 2011 Feb 22.

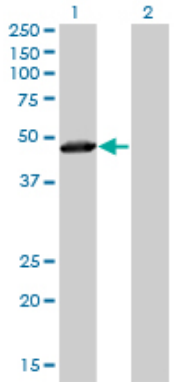
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.08 KDa) .

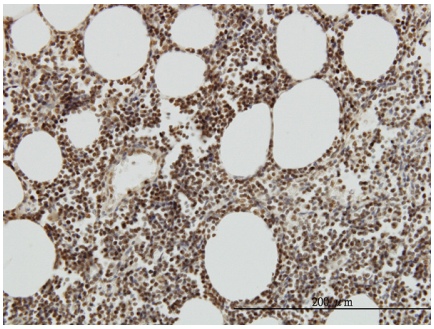


TAF7 monoclonal antibody (M01), clone 2C5 Western Blot analysis of TAF7 expression in MCF-7 ((Cat # AT4147a)

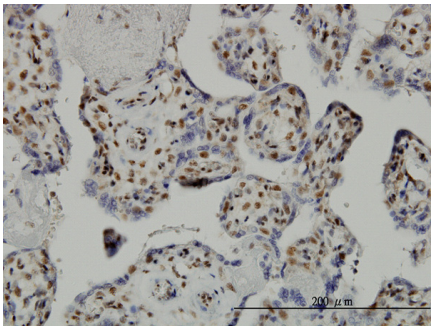


Western Blot analysis of TAF7 expression in transfected 293T cell line by TAF7 monoclonal antibody (M01), clone 2C5.

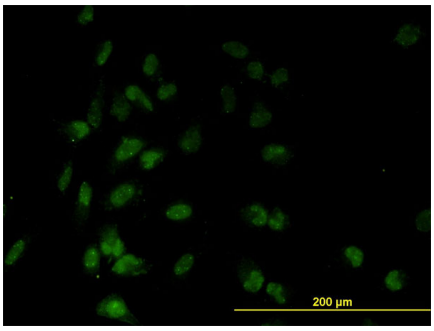
Lane 1: TAF7 transfected lysate(40.3 KDa).
Lane 2: Non-transfected lysate.



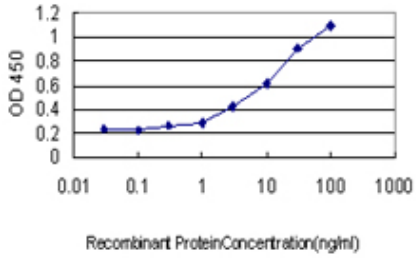
Immunoperoxidase of monoclonal antibody to TAF7 on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 3 ug/ml]



Immunoperoxidase of monoclonal antibody to TAF7 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 1 ug/ml]



Immunofluorescence of monoclonal antibody to TAF7 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged TAF7 is approximately 0.3ng/ml as a capture antibody.

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