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TAF12 Antibody (monoclonal) (M11)

Mouse monoclonal antibody raised against a full-length recombinant TAF12.
Catalog # AT4142a

Specification

TAF12 Antibody (monoclonal) (M11) - Product Information

Application	**IF, WB, E**
Primary Accession	Q16514
Other Accession	BC011986
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**17924**

TAF12 Antibody (monoclonal) (M11) - 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

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.

TAF12 Antibody (monoclonal) (M11) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

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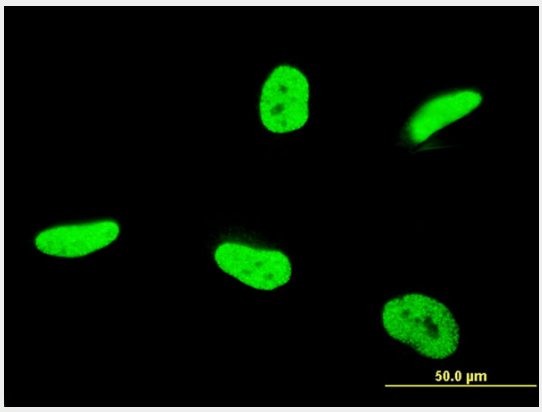
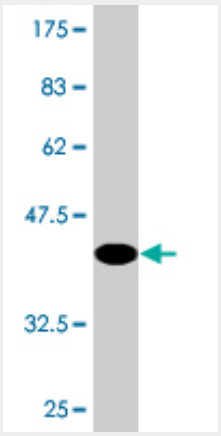
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

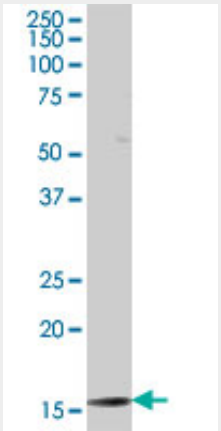
TAF12 Antibody (monoclonal) (M11) - Images



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



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

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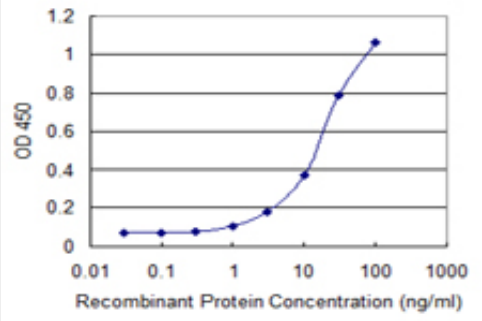
S3 NE ((Cat # AT4142a)



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

TAF12 Antibody (monoclonal) (M11) - 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.

TAF12 Antibody (monoclonal) (M11) - 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 TFTC/STAGA recruitment and chromatin structure leading to photoreceptor dysfunction. Helmlinger D, et al. PLoS Biol, 2006 Mar. PMID 16494529.