TBP monoclonal antibody

Catalog: MB66918 Host: Mouse Reactivity: Human, Mouse, Rat, Monkey

BackGround:

TATA-binding protein is a ubiquitously expressed nuclear protein that functions at the core of the general transcription factor protein complex TFIID. TFIID, which contains TBP and 13 TBP-associated factors , contributes to the formation of the transcription pre-initiation complex, an assembly of multiple protein complexes that bind to a gene promoter during the initiation of transcription . Once the pre-initiation complex is formed, RNA polymerase II becomes competent for elongation and transcribes the body of a gene. TBP functions in the recruitment of TFIID by binding to the TATA-box sequence found approximately 25 base pairs upstream of the transcription start site of many protein-coding genes. In addition, many transcriptional activator proteins interact with TBP and various TAF proteins to facilitate recruitment of TFIID and formation of the pre-initiation complex.

Product:

Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 38 kDa

Swiss-Prot:

P20226

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

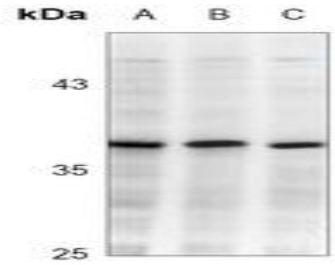
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

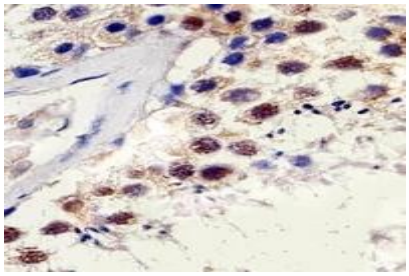
Specificity:

Recognizes endogenous levels of TBP protein.

DATA:



Western blot analysis of TBP expression in Hela (A), HepG2 (B), NIH3T3 (C) whole cell lysates.



Immunohistochemical analysis of TBP staining in human testis formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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