

Product Datasheet

TATA binding protein TBP (10C1) Mouse mAb

Catalog No: AB3645

Reactivity: Human, Mouse, Rat

Isotype: Mouse IgG1

Applications: IHC



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Information

UniProt ID: P20226

All Names: TBP; GTF2D1; TF2D; TFIID; TATA-box-binding protein; TATA sequence-binding protein; TATA-binding factor; TATA-box factor; Transcription initiation factor TFIID TBP subunit

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

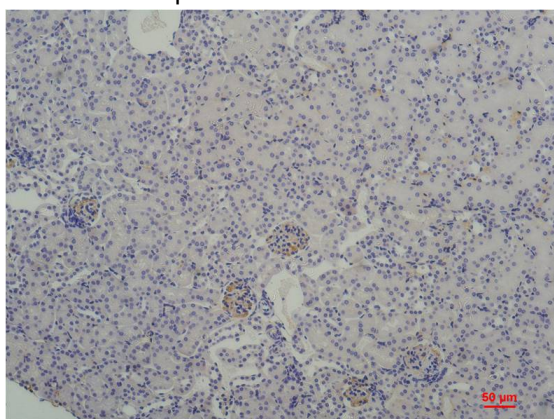
Molecular Wt.: 35-45kDa

Application

IHC: 1/50-1/100

Background

Swiss-Prot Acc.P20226. General transcription factor that functions at the core of the DNA-binding multiprotein factor TFIID (PubMed:2374612, PubMed:2363050, PubMed:2194289, PubMed:9836642, PubMed:27193682). Binding of TFIID to the TATA box is the initial transcriptional step of the pre-initiation complex (PIC), playing a role in the activation of eukaryotic genes transcribed by RNA polymerase II (PubMed:2374612, PubMed:2363050, PubMed:2194289, PubMed:9836642, PubMed:27193682). Component of a BRF2-containing transcription factor complex that regulates transcription mediated by RNA polymerase III (PubMed:26638071). Component of the transcription factor SL1/TIF-IB complex, which is involved in the assembly of the PIC (pre-initiation complex) during RNA polymerase I-dependent transcription (PubMed:15970593). The rate of PIC formation probably is primarily dependent on the rate of association of SL1 with the rDNA promoter. SL1 is involved in stabilization of nucleolar transcription factor 1/UBTF on rDNA.



Immunohistochemistry analysis of paraffinembedded Human Breast Carcinoma using TATA Box Binding Protein (10C1) antibody.

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