



TFIIB mouse mAb

Catalog No	YP-Ab-01062
Isotype	IgG
Reactivity	Human;Mouse;Monkey
Applications	WB
Gene Name	gtf2b
Immunogen	Purified recombinant human TFIIB protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of TFIIB and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:500
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GTF2B;S300 II;TF2B;TFIIB;General transcription factor IIB;General transcription factor TFIIB;RNA polymerase II transcription factor IIB;S300-II;TF IIB;TF2B_HUMAN;Transcription initiation factor IIB.
Observed Band	34kD
Calculated Molecular Weight	34kD
Cell Pathway	Nucleus . Chromosome . Non-acetylated form colocalizes with DNA in the G0/1, S and G2 phases of the cell cycle, but not during mitosis (PubMed:24441171). Acetylated form colocalizes at transcriptionally silent mitotic chromatids during mitosis at metaphase, anaphase, and telophase phases of the cell cycle (PubMed:24441171). .
Tissue Specificity	Expressed in the inner cell mass forming the embryoblast (PubMed:24441171). Not detected in cells from the outer thin layer trophoblast (at protein level) (PubMed:24441171).
Function	cofactor: Binds 1 zinc ion per subunit.,function: General factor that plays a major role in the activation of eukaryotic genes transcribed by RNA polymerase II., similarity: Belongs to the TFIIB family.,similarity: Contains 1 TFIIB-type zinc finger.,subunit: Associates with TFIID-IIA (DA complex) to form TFIID-IIA-IIB (DAB-complex) which is then recognized by polymerase II. Interacts with the



transcription elongation factor TCEA2. Interacts with HIV-1 Vpr. Interacts with GPBP1 (By similarity). Interacts with Epstein-Barr virus EBNA2.,

Background

general transcription factor IIB(GTF2B) Homo sapiens This gene encodes the general transcription factor IIB, one of the ubiquitous factors required for transcription initiation by RNA polymerase II. The protein localizes to the nucleus where it forms a complex (the DAB complex) with transcription factors IID and IIA. Transcription factor IIB serves as a bridge between IID, the factor which initially recognizes the promoter sequence, and RNA polymerase II. [provided by RefSeq, Jul 2008],

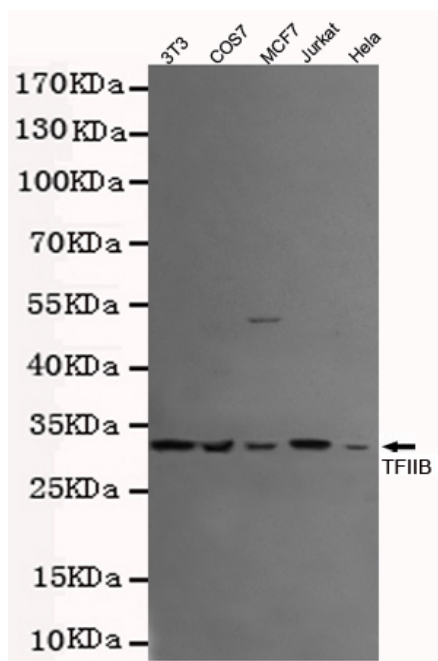
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot detection of TFIIB in Jurkat, MCF7, COS7, 3T3 and HeLa cell lysates using TFIIB mouse mAb (1:500 diluted). Observed band size: 34KDa