

TFIIB Monoclonal Antibody

Catalog No :	YM1104
Reactivity :	Human;Mouse;Rat;Bovine;Chicken;Dog;Pig
Applications :	WB;IHC;IF
Target :	TFIIB
Fields :	>>Basal transcription factors;>>Spinocerebellar ataxia;>>Viral carcinogenesis
Gene Name :	GTF2B
Protein Name :	Transcription initiation factor IIB
Human Gene Id :	2959
Human Swiss Prot No :	Q00403
Mouse Gene Id :	229906
Mouse Swiss Prot No :	P62915
Rat Gene Id :	81673
Rat Swiss Prot No :	P62916
Immunogen :	Purified recombinant human TFIIB protein fragments expressed in E.coli.
Specificity :	TFIIB Monoclonal Antibody detects endogenous levels of TFIIB protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:1000 - 1:2000. IHC 1:500 - 1:1000. IF 1:100 - 1:500. Not yet tested in other applications.

Purification : Affinity purification

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 35kD

Cell Pathway : Protein_Acetylation

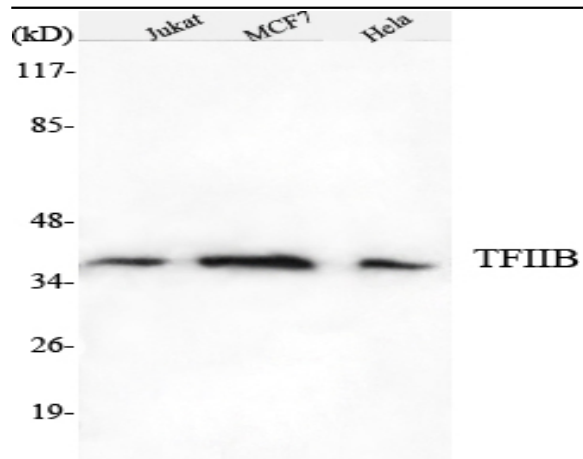
Background : general transcription factor IIB(GTF2B) Homo sapiens This gene encodes the general transcription factor IIB, one of the ubiquitous factors required for transcription initiation by RNA polymerase II. The protein localizes to the nucleus where it forms a complex (the DAB complex) with transcription 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],

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.,

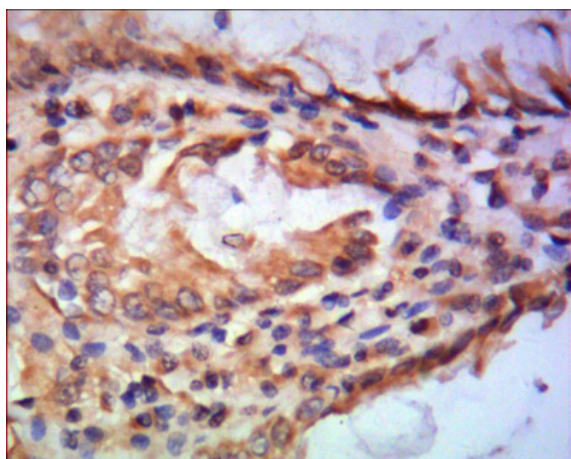
Subcellular Location : Nucleus . Chromosome . Non-acetylated form colocalizes with DNA in the G0/1, S and G2 phases of the cell cycle, but not during mitosis (PubMed:24441171). Acetylated form colocalizes at transcriptionally silent mitotic chromatids during mitosis at metaphase, anaphase, and telophase phases of the cell cycle (PubMed:24441171). .

Expression : 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).

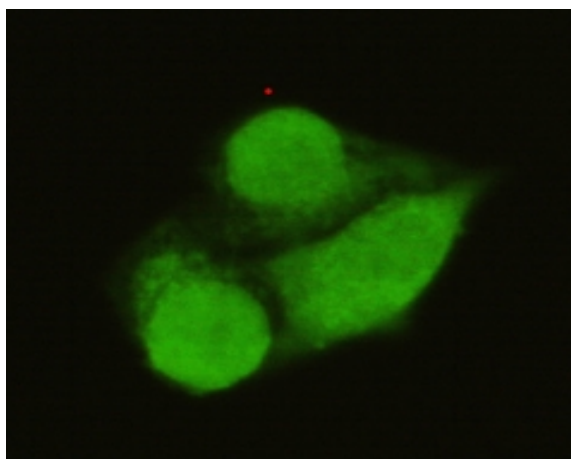
Products Images



Western Blot analysis using TFIIB Monoclonal Antibody against Jurkat, MCF7, HeLa cell lysate.



Immunohistochemistry analysis of paraffin-embedded human colon using TFIIB Monoclonal Antibody.



Immunofluorescence analysis of HeLa cells using TFIIB Monoclonal Antibody.