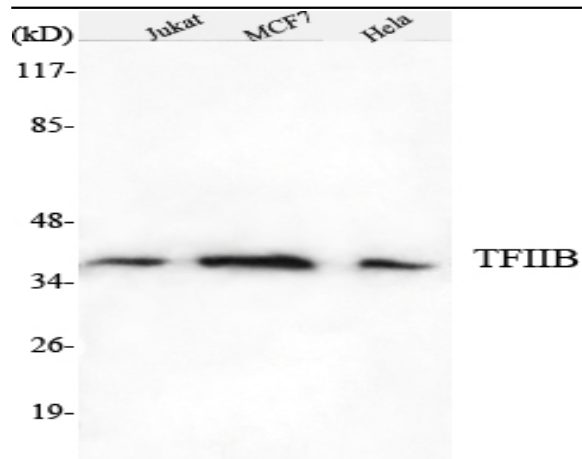


## TFIIB Monoclonal Antibody

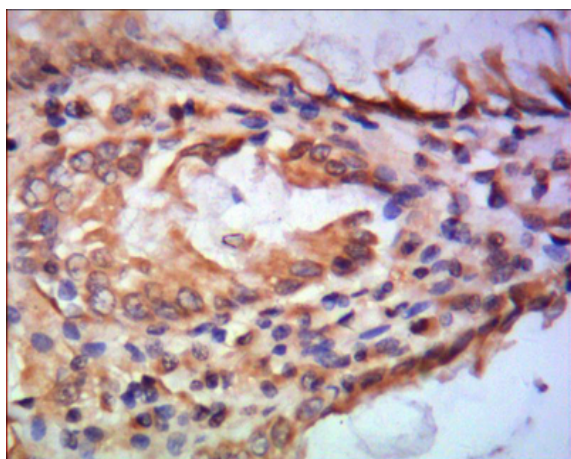
|                              |                                                                                                 |
|------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Catalog No :</b>          | YM1104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

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purification :</b>         | Affinity purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration :</b>        | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage Stability :</b>    | -15°C to -25°C/1 year(Do not lower than -25°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecularweight :</b>      | 35kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Cell Pathway :</b>         | Protein_Acetylation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Background :</b>           | <p>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],</p>                                                  |
| <b>Function :</b>             | <p>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 (DAB 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.,</p> |
| <b>Subcellular Location :</b> | <p>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). .</p>                                                                                                                                                                                                                      |
| <b>Expression :</b>           | <p>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).</p>                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Sort :</b>                 | 17062                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>No4 :</b>                  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

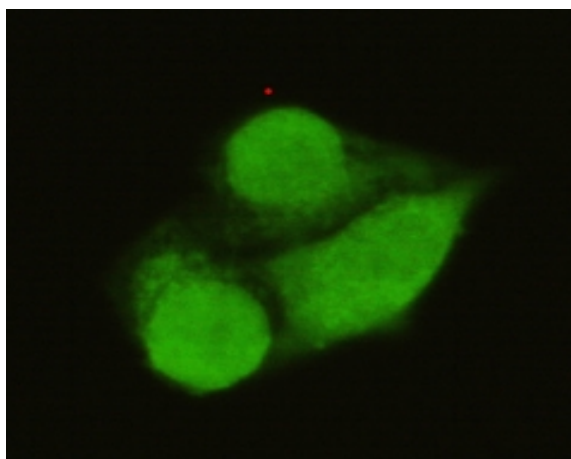
## Products Images



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.