



# TFIIB Monoclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Catalog No</b>         | BYab-01055                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Reactivity</b>         | Human;Mouse;Rat;Bovine;Chicken;Dog;Pig                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Applications</b>       | WB;IHC;IF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Name</b>          | GTF2B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Name</b>       | Transcription initiation factor IIB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <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>        | Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>             | Monoclonal, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purification</b>       | Affinity purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Dilution</b>           | Western Blot: 1/1000 - 1/2000. Immunohistochemistry: 1/500 - 1/1000. Immunofluorescence: 1/100 - 1/500. Not yet tested in other applications.                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>           | GTF2B; TF2B; TFIIB; Transcription initiation factor IIB; General transcription factor TFIIB; S300-II                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Observed Band</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Cell Pathway</b>       | 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). .                                                                                                                                                                                                                     |
| <b>Tissue Specificity</b> | 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).                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Function</b>           | 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., |

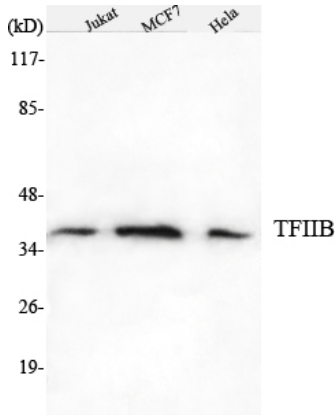
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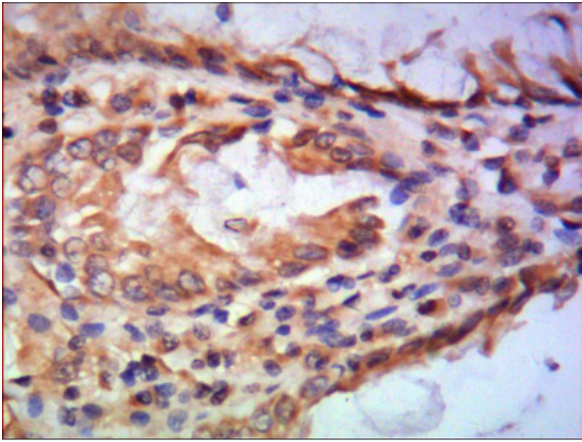
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                                                                                                                                                                                                                                                                                                                                           |



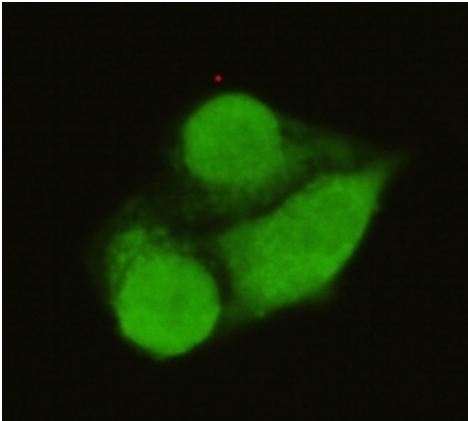
## Products Images



Western Blot 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.

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