For Research Use Only

GTF2B Recombinant monoclonal antibody

Catalog Number:87643-2-RR

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
87643-2-RR

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG9547

GenBank Accession Number:
BC020597

GeneID (NCBI):
2959

UNIPROT ID:
Q00403

Full Name:
general transcription factor IIB

Calculated MW:
316 aa, 35 kDa

Observed MW:
30-35 kDa

Purification Method:
Protein A purification

CloneNo.:
253003A4

Recommended Dilutions:
WB: 1:2000-1:10000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : HeLa cells, HepG2 cells, K-562 cells, MCF-7 cells, Jurkat cells, RAW 264.7 cells, PC-12 cells

Background Information

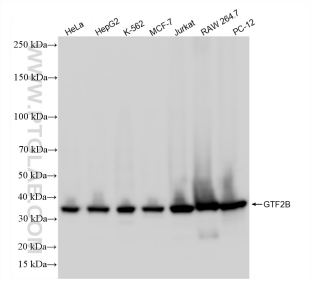
GTF2B encodes transcription factor IIB (TFIIB), one of the ubiquitous general transcription factors essential for transcription initiation by RNA polymerase II (Pol II). Localizing to the nucleus, TFIIB forms a complex with transcription factors IID and IIA and serves as a critical bridge between TFIID-the factor that initially recognizes the promoter-and the Pol II machinery, thereby enabling pre-initiation complex (PIC) assembly and Pol II recruitment to promoter DNA. Beyond this core architectural role, TFIIB is subject to regulatory acetylation and autoacetylation, and emerging evidence links its dysregulation to pathological states, including potential contributions to proliferation in hepatocellular carcinoma and tumor phenotypes in growth hormone-secreting pituitary adenomas.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87643-2-RR (GTF2B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.