

For Research Use Only

GTF2B Recombinant monoclonal antibody

Catalog Number: 87643-2-RR



Basic Information

Catalog Number: 87643-2-RR	GenBank Accession Number: BC020597	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2959	CloneNo.: 253003A4
Source: Rabbit	UNIPROT ID: Q00403	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: general transcription factor IIB	
Immunogen Catalog Number: AG9547	Calculated MW: 316 aa, 35 kDa	
	Observed MW: 30-35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, K-562 cells, MCF-7 cells, Jurkat cells, RAW 264.7 cells, PC-12 cells
Species Specificity: human, mouse, rat	

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

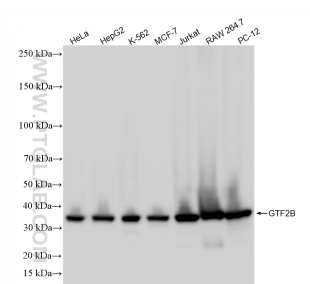
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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.