

## GTF2F1 Polyclonal Antibody

Catalog number: 10093-2-AP

Size: 42 µg/150 µl

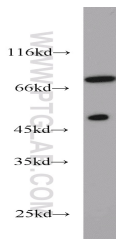
Source: Rabbit

Isotype: IgG

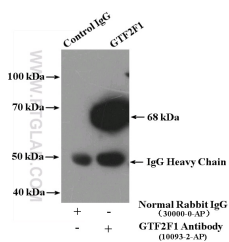
Synonyms:

GTF2F1; BTF4, GTF2F1, RAP74,

TF2F1, TFIIF, TFIIF alpha



K-562 cells were subjected to SDS PAGE followed by western blot with 10093-2-AP(GTF2F1 antibody) at dilution of 1:1000



IP Result of anti-GTF2F1 (IP:10093-2-AP, 4µg; Detection:10093-2-AP 1:300) with K-562 cells lysate 4000µg.

### Background

In eukaryotic systems, the initiation of gene transcription involves the ordered assembly of a multiprotein complex on proximal promoter elements, consisting of RNA polymerase II and broad families of auxiliary transcription factors. Such factors can be divided into two major functional classes: the basal factors that are required for transcription of all Pol II genes, including TFIIA, B, D, E, F and H; and sequence specific factors that regulate gene expression. The basal transcription factors and Pol II form a specific multiprotein complex near the transcription start site by interacting with core promoter elements such as the TATA box generally located 25-30 base pairs upstream of the transcription start site. TFIIF, a heteromer composed of a small (RAP 30) and a large (RAP 74) subunit, acting at an intermediate stage in initiation complex formation, binds directly to RNA polymerase II in solution and decrease the affinity of RNA polymerase II for nonspecific DNA. In addition, TFIIF stimulates transcription elongation by RNA polymerase II.

### Applications

Tested applications:	ELISA, WB, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated GTF2F1 MW:	58 kDa
Observed GTF2F1 MW:	74 kDa
Positive WB detected in	K-562 cells
Positive IP detected in	K-562 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:1000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0133
GenBank accession number:	BC000120
Gene ID (NCBI):	2962
Full name:	General transcription factor IIF, polypeptide 1, 74kDa

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.