

## Anti-GTF2F2 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 28 kDa. Actual: 28 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Sample: Testis (Mouse) Lysate at 40 µg Primary: Anti-GTF2F2 (TMAB-06839) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 28 kD Observed band size: 28 kD
	2. Sample: Uterus (Mouse) Lysate at 40 µg Primary: Anti-GTF2F2 (TMAB-06839) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 28 kD Observed band size: 28 kD
	Application: WB
	Recommended WB: 1:500-2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human GTF2F2
Antigen Species:	Human
Gene ID:	2963
Uniprot ID:	P13984

### Research Background

Transcription initiation factor IIF subunit beta;  
In eukaryotic systems, initiation of transcription from protein-coding genes is a complex process requiring 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, TFIIB, TFIID, TFIIE, TFIIIF and TFIIH; 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. TFIIIF, a heteromer composed of a small (RAP 30) and a large (RAP 74) subunit, is required for RNA polymerase II to assemble into a preinitiation complex formed by promoter DNA and the general factors TFIID, IIA and IIB. In addition, TFIIIF

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stimulates transcription elongation by RNA polymerase II.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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