

**TFIIB (2F6A3H4) Mouse mAb**

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H M R Mk	Endogenous	32	Mouse IgG2b	#Q00403	2959

**Product Usage Information****Application**

Western Blotting  
Immunoprecipitation

**Dilution**

1:1000  
1:100

**Storage**

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

**Specificity/Sensitivity**

TFIIB (2F6A3H4) Mouse mAb detects endogenous levels of total TFIIB protein.

**Source / Purification**

Monoclonal antibody is produced by immunizing animals with recombinant human TFIIB protein.

**Background**

TFIIB (also known as GTF2B, TF2B and general transcription factor IIB) is a ubiquitously expressed transcription factor that plays a central role in the assembly of the transcription pre-initiation complex through direct recruitment of RNA polymerase II (1,2). TFIIB functions as a bridge between promoter-bound TFIID and RNA polymerase II. In addition to interacting with promoter-bound TFIID and TFIIA, TFIIB makes extensive contacts with the core promoter via two independent DNA-binding modules. TFIIB may also be a target of transcriptional activator proteins that act to stimulate pre-initiation complex assembly.

**Background References**

1. Deng, W. and Roberts, S.G. (2007) *Chromosoma* 116, 417-29.
2. Thomas, M.C. and Chiang, C.M. *Crit Rev Biochem Mol Biol* 41, 105-78.

**Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Western Blot Buffer**

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key**

**W:** Western Blotting **IP:** Immunoprecipitation

**Cross-Reactivity Key**

**H:** Human **M:** Mouse **R:** Rat **Mk:** Monkey

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