

TFIIB (2F6A3H4) Mouse mAb

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

- Deng, W. and Roberts, S.G. (2007) *Chromosoma* 116, 417-29.
- 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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