

#4169 Store at -20°C

TFIIB (2F6A3H4) Mouse mAb



✓ 100 µl
(10 western blots)

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This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.

Entrez-Gene ID #2959
Swiss-Prot Acc. #Q00403

Applications	Species Cross-Reactivity*	Molecular Wt.	Isotype
W, IP Endogenous	H, M, R, Mk	32 kDa	Mouse IgG2b**

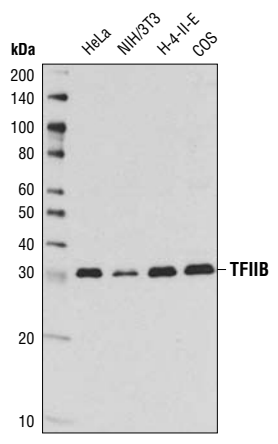
Background: TFIIB (also known as GTF2B, TF2B and general transcription factor IIB) is a ubiquitously expressed transcription factor that plays a central role in the assembly of the transcription pre-initiation complex through direct recruitment of RNA polymerase II (1,2). TFIIB functions as a bridge 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.

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 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.



Western blot analysis of extracts from various cell lines using TFIIB (2F6A3H4) Mouse mAb.

Storage: Supplied in 10 mM 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.

*Species cross-reactivity is determined by western blot.

**Anti-mouse secondary antibodies must be used to detect this antibody.

Recommended Antibody Dilutions:

Western Blotting	1:1000
Immunoprecipitation	1:100

For application specific protocols, please see the web page for this product at www.cellsignal.com

Please visit www.cellsignal.com for a complete listing of recommended companion products.

IMPORTANT: For western blots, incubate membrane with diluted 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 IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide

Species Cross-Reactivity Key: H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine

Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—Horse All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.