

#4169 Store at -20°C

TFIIB (2F6A3H4) Mouse mAb


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

Product Usage Information	Application	Dilution
	Western Blotting	1:1000
	Immunoprecipitation	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) <i>Chromosoma</i> 116, 417-29. 2. Thomas, M.C. and Chiang, C.M. <i>Crit Rev Biochem Mol Biol</i> 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	WB: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus 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 GP: Guinea Pig Rab: rabbit All: all species expected
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