Revision 1

Cell Signaling #2637 Store at -20C **BTAF1** Antibody H. Orders: 877-616-CELL (2355) orders@cellsignal.com Support: 877-678-TECH (8324)

info@cellsignal.com cellsignal.com Web:

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 200	Source/Isotype: Rabbit	UniProt ID: #O14981	Entrez-Gene Id: 9044
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 and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		BTAF1 Antibody recognizes endogenous levels of total BTAF1 protein.				
Species predicted to react based on 100% sequence homology		Hamster, Bovine, Horse				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala220 of human BTAF1 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		B-TATA binding protein-associated factor 1 (BTAF1) is a human homolog of the yeast protein modifier of transcription 1 (MOT1) (1). BTAF1 negatively regulates transcription through interaction with TATA binding protein (TBP), an important component of the B-TFIID complex (2,3). BTAF1 is a member of the SNF2 family of ATPases that utilizes ATP to remove TBP from B-TFIID, thereby preventing formation of the transcription pre-initiation complex (PIC) (3-5). BTAF1 actively removes TBP from DNA, which prevents non-specific TBP-DNA interactions and promotes disassembly of inactive forms of the PIC. This activity is thought to be critical for maintaining a pool of free TBP that is necessary for the assembly of the PIC during transcription activation (6,7).				
Background References		1. Chicca, J.J. et al. (1998) <i>Mol Cell Biol</i> 18, 1701-10. 2. Pereira, L.A. et al. (2004) <i>J Biol Chem</i> 279, 21802-7. 3. Auble, D.T. (2009) <i>Trends Biochem Sci</i> 34, 49-52. 4. Auble, D.T. et al. (1994) <i>Genes Dev</i> 8, 1920-34. 5. de Graaf, P. et al. (2010) <i>J Cell Sci</i> 123, 2663-71. 6. Dasgupta, A. et al. (2005) <i>EMBO J</i> 24, 1717-29. 7. Huisinga, K.L. and Pugh, B.F. (2007) <i>Genome Biol</i> 8, R46.				
Species Reactivi	ty	Species reactivity is dete	ermined by testing	in at least one approved	d 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				
Trademarks and Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.				
		All other trademarks are more information.	e the property of th	neir respective owners. \	/isit cellsignal.com/	/trademarks for
Limited Uses		Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no				

force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.