

TCF12/HEB (D2C10) Rabbit mAb



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 85	Source/Isotype: Rabbit IgG	UniProt ID: #Q99081	Entrez-Gene Id: 6938
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		TCF12/HEB (D2C10) Rabbit mAb recognizes endogenous levels of total TCF12/HEB protein. This antibody recognizes the TCF12/HEBCan isoform, but not the TCF12/HEBAlt isoform.				
Species predict based on 100% homology		Monkey, Bovine, Dog,	Horse			
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly115 of human TCF12 protein.				
TCF12/HEB (T cell factor 12/HeLa E-box binding protein) is a member of the E proteins that basic helix-loop-helix domain-containing transcription factors that bind directly to the E-bo consensus sequence and control numerous developmental processes (1,2). E protein family include E2A, E2-2, and TCF12/HEB. TCF12/HEB forms homo- or heterodimers with other E pregulate transcription of target genes that play a critical role in the development of T cells, plasmacytoid dendritic cells (2-4). The TCF12/HEB gene has two transcriptional start sites lead generation of the long form called HEBCan, and the short form, HEBAlt (5). The two isoforms thought to have distinct functions, with HEBCan playing a role throughout T cell development of T cell precursors (5).					ne E-box DNA n family members ther E proteins to Γ cells, B cells, and sites leading to the disoforms are	
Background References		 Murre, C. (2005) Nat Immunol 6, 1079-86. Braunstein, M. and Anderson, M.K. (2012) Clin Dev Immunol 2012, 678705. Quong, M.W. et al. (2002) Annu Rev Immunol 20, 301-22. Kee, B.L. (2009) Nat Rev Immunol 9, 175-84. Wang, D. et al. (2006) J Immunol 177, 109-19. 				
Species Reactiv	/ity	Species reactivity is de	etermined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 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

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