AEBP2 (D7C6X) Rabbit mAb	HE .	Cell Signaling TECHNOLOGY®	
	Orders:	877-616-CELL (2355) orders@cellsignal.com	
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Applications: W, IP, ChIP, ChIP- seq, C&R	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 70, 28	Source/Isotype: Rabbit IgG	UniProt ID: #Q6ZN18	Entrez-Gene Id 121536
Product Usage Information		For optimal ChIP and ChIP-seq results, use 20 μl of antibody and 10 μg of chromatin (approximately 4 x 10 ⁶ cells) per IP. This antibody has been validated using SimpleChIP [®] Enzymatic Chromatin IP Kits.				
	The CUT&RUN dilution was determined using CUT&RUN Assay Kit #86652.					
	Application			Dilution		
	Western Blotting Immunoprecipitation			1:1000 1:50		
		Chromatin IP			1:25	
		Chromatin IP-seq			1:25	
		CUT&RUN			1:25	
Storage				5), 150 mM NaCl, 100 µg, not aliquot the antibody.	/ml BSA, 50% glyce	rol and less than
Specificity/Sens	itivity	AEBP2 (D7C6X) Rabbi	t mAb recognizes e	ndogenous levels of tota	l AEBP2 protein.	
Species predicte based on 100% homology		Hamster, Chicken, Bo	vine			
Source / Purifica	ation	Monoclonal antibody residues surrounding		nunizing animals with a s AEBP2 protein.	synthetic peptide co	orresponding to
Background		cell cycle regulation, a lineage specification, cooperate to maintain (EZH2-EED) complex i H3 on Lys27. Methyla ubiquitinylates histor the PRC2 complex, wl methyltransferase ac another integral com EED-SUZ12) enhances which may be mediat enhancement of enzy ubiquitinated histone	and oncogenesis by cell death, and cell- n long-term gene si s recruited to genes tion of Lys27 facilita te H2A on Lys119 (5 hich together with E tivity of the protein ponent of the PRC2 s histone H3 Lys27 r ed in part by three H2A Lys119, which	te to the maintenance of maintaining the silence cycle arrest (1-4). PcG pr lencing through epigene s by DNA-binding transcr ates the recruitment of tl). Suppressor of Zeste 12 ZH2 and EED is absolute complex (6).The zinc fing complex. Addition of AE nethyltransferase activit AEBP2 DNA-binding zinc ater on nucleosomal sul suggests that AEBP2 ma uitinated histone H2A Ly	d state of genes that oteins exist in two tric chromatin mod ription factors and in the PRC1 complex, w 2 (SUZ12) is an oblice ty required for hist ger AE binding prot BP2 to the PRC2 co y on nucleosomal s finger domains (5, postrates that contai ay target PRC2 com	at promote cell complexes that ifications. The PRC2 methylates histone which gate component of one ein 2 (AEBP2) is re complex (EZH2- substrates <i>in vitro</i> , 7). AEBP2-mediated n mono-
Background Re	ferences	1. Boyer, L.A. et al. (20 2. Cao, R. et al. (2002) 3. Müller, J. et al. (2006) 4. Lee, T.I. et al. (2006) 5. Cao, R. and Zhang, 6. Wang, H. et al. (2009) 8. Kalb, R. et al. (2014)	<i>Science</i> 298, 1039- 2) <i>Cell</i> 111, 197-208) <i>Cell</i> 125, 301-13. Y. (2004) <i>Mol Cell</i> 1)4) <i>Nature</i> 431, 873-) <i>Nucleic Acids Res</i> 3	43. 5, 57-67. 8. 37, 2940-50.		
Species Reactiv	ity	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Bı	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody i	n 5% w/v BSA, 1X

Applications Key	W: Western Blotting IP: Immunoprecipitation ChIP: Chromatin IP ChIP-seq: Chromatin IP-seq C&R: CUT&RUN
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey
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