Revision 13					
EED (E4L6E) XP [®] Rabbit mAb			Cell Signaling		
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Applications:Reactivity:W, W-S, IP, IHC-P,H M R MkIF-IC, FC-FP, ChIP,ChIP-seq, C&R,C&T, eCLIPC&T, eCLIP	Sensitivity: Endogenous	MW (kDa): 50-70	Source/Isotype: Rabbit IgG	UniProt ID: #O75530	Entrez-Gene Id: 8726
Product Usage Information	For optimal ChIP and ChIP-seq results, use 5 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.				
	-	was determined us	ing CUT&Tag Assay Kit	#77552.	Dilution
	Application Western Blotting				1:1000
	Simple Western™				1:10 - 1:50
	Immunoprecipitation				1:50
	Immunohistochemist				1:50 - 1:200
	Immunofluorescence	-	istry)		1:50 - 1:200
	Flow Cytometry (Fixed Chromatin IP	u/Permeabilized)			1:50 - 1:200 1:100
	Chromatin IP-seq				1:100
	CUT&RUN				1:100
	CUT&Tag				1:100
	eCLIP				1:200
	For more information	about the RBP-eCL	IP service please visit E	clipsebio.	
Storage			δ), 150 mM NaCl, 100 μ hot aliquot the antibody		cerol and less than
	For a carrier free (BSA	and azide free) ver	sion of this product see	e product #53069.	
Specificity/Sensitivity	EED (E4L6E) $XP^{ extsf{B}}$ Rabbit mAb recognizes endogenous levels of total EED protein.				
Species predicted to react based on 100% sequence homology	Bovine, Pig				
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human EED protein.				
Background	renewal, cell cycle reg cell lineage specificati cooperate to maintaii complex, EED-EZH2, is H3 on Lys27. Methyla ubiquitinylates histon component of the PR histone methyl-transf	ulation and oncoge ion, cell death and c n long-term gene sil s recruited to genes tion of Lys27 facilita te H2A on Lys119 (5) C2 complex, which t erase activity (6). EE	ibute to the maintenar nesis by maintaining th ell-cycle arrest (1-4). Po- lencing through epiger by DNA-binding transic tes the recruitment of b. Embryonic ectoderm ogether with Ezh2 and ED, SUZ12 and EZH2 are east, prostate and ovar	he silenced state of G proteins exist in netic chromatin m cription factors an the second compl development pro SUZ12 is absolutt overexpressed in	of genes that promote n two complexes that odifications. The first d methylates histone lex, PRC1, which tein (EED) is a ely required for
Background References	1. Boyer, L.A. et al. (20 2. Lee, T.I. et al. (2006 3. Cao, R. et al. (2002) 4. Müller, J. et al. (2002) 5. Wang, H. et al. (200 6. Cao, R. and Zhang, 7. Kirmizis, A. et al. (20 8. Kirmizis, A. et al. (20) <i>Cell</i> 125, 301-13. <i>Science</i> 298, 1039-4 2) <i>Cell</i> 111, 197-208. 4) <i>Nature</i> 431, 873- Y. (2004) <i>Mol Cell</i> 15 003) <i>Mol Cancer The</i>	43. 8. 5, 57-67. er 2, 113-21.		

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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	W: Western Blotting W-S: Simple Western [™] IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized) ChIP: Chromatin IP ChIP-seq: Chromatin IP-seq C&R: CUT&RUN C&T: CUT&Tag eCLIP: eCLIP
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey
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