EED Antibody Cell Signaling   Orders: 877-616-CELL (2355)   orders@cellsignal.com   Support: 877-678-TECH (8324)   Web: info@cellsignal.com   Corr Research Use Only. Not for Use in Diagnostic Procedures.	Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID	: Entrez-Gene Id:
Orders: 877-616-CELL (2355) orders@cellsignal.com	or Research Use (	Only. Not for Use i	n Diagnostic Procec	lures.			
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Applications: W	<b>Reactivity:</b> H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 50-70	Source/Isotype: Rabbit	<b>UniProt ID:</b> #075530	Entrez-Gene Id: 8726			
Product Usage Information	2	<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000				
Storage		Supplied in 10 mM so 20°C. Do not aliquot t	mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – iquot the antibody.						
Specificity/Ser	nsitivity	EED Antibody recognizes endogenous levels of total EED protein. This antibody also cross-reacts with an unidentified protein of 42 kDa.							
Source / Purifi	cation		ino terminus of hur	nmunizing animals with a nan EED protein. Antibo					
Background		renewal, cell cycle rec cell lineage specificat cooperate to maintain complex, EED-EZH2, is H3 on Lys27. Methyla ubiquitinylates histon component of the PR histone methyl-transf	ulation and oncoge ion, cell death and n long-term gene si s recruited to genes tion of Lys27 facilita te H2A on Lys119 (5 C2 complex, which erase activity (6). El	ribute to the maintenance enesis by maintaining the cell-cycle arrest (1-4). PcC lencing through epigene s by DNA-binding transcr ates the recruitment of t ). Embryonic ectoderm c together with Ezh2 and S ED, SUZ12 and EZH2 are east, prostate and ovary	e silenced state of g 5 proteins exist in tr tric chromatin mod iption factors and u he second complex levelopment protei 50Z12 is absolutely overexpressed in v	genes that promote wo complexes that ifications. The first methylates histone , PRC1, which n (EED) is a required for			
Background R	eferences	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. (2) 8. Kirmizis, A. et al. (2) 9. Yu, H. et al. (2012) /	) <i>Cell</i> 125, 301-13. <i>Science</i> 298, 1039- 2) <i>Cell</i> 111, 197-208 4) <i>Nature</i> 431, 873- Y. (2004) <i>Mol Cell</i> 1 003) <i>Mol Cancer Th</i> 004) <i>Genes Dev</i> 18,	43. 8. 5, 57-67. <i>er</i> 2, 113-21. 1592-605.					
Species Reacti	vity	Species reactivity is d	etermined by testin	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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.							
Applications Key		W: Western Blotting							
Cross-Reactivity Key		H: Human M: Mouse R: Rat Mk: Monkey							
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