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Applications: W, IP	<b>Reactivity:</b> H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 32	Source/Isotype: Rabbit IgG	UniProt ID: #Q8N488	Entrez-Gene Id: 23429	
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:200		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity/Sensi	tivity	RYBP (D8J7W) Rabbit mAb recognizes endogenous levels of total RYBP protein.					
<b>Source / Purification</b> Monoclonal antibody is produced by immunizing animals with recombination amino terminus of human RYBP protein.				combinant protein	specific to the		
Background		Ring1 and YY1-binding modulator of Ring1A/F proteins function as th repress gene expression to both the YY1 DNA-b complex to target loci PRC2 complex (2,3). RY binding of PRC1 across the ubiquitination activa along multiple cell line and degradation of p5 Many studies demonst decreased in multiple of glioblastoma with decreased	protein (RYBP) is a Ring1B-dependent the catalytic core sult on in part through inding transcriptio independent of pri /BP also binds mor s large domains of vity of Ring1A/Ring ages (2,3,6,7). RYB 3, leading to cell cy trate that RYBP fun cancers, including reased expression	a widely expressed nucle histone H2A monoubique punits of polyclomb repr monoubiquitination of h n factor and Ring1A/Ring or tri-methylation of hist ioubiquitinated H2A Lys <sup>2</sup> repressed chromatin (5) 1B and is required for pr P has also been shown t rcle arrest and apoptosis ctions as a tumor suppr non-small cell lung cance correlating with metasta	ar protein that fun- itylation (1-3). Ring essor complex 1 (P istone H2A on Lys1 g1B, RYPB is able to cone H3 Lys27 by th 19 and may act to . In addition, RYBP roper differentiatio o bind MDM2 and b . in response to DN essor protein. RYBF er, hepatocellular ca sis and poor progn	ctions as a 1A and Ring1B RC1), which acts to 19 (4). By binding o recruit the PRC1 ne EZH2-dependent stabilize or spread directly stimulates n of stem cells olock ubiquitination A damage (8). <sup>o</sup> expression is arcinoma, and losis (8-11).	
Background Ref	erences	1. García, E. et al. (1995 2. Tavares, L. et al. (201 3. Rose, N.R. et al. (201 4. Cao, R. et al. (2005) / 5. Arrigoni, R. et al. (200 6. Kovacs, G. et al. (201 7. Ujhelly, O. et al. (201 8. Chen, D. et al. (2009) 9. Voruganti, S. et al. (20 10. Wang, W. et al. (2013) P	<ul> <li><i>EMBO J</i> 18, 3404</li> <li><i>Cell</i> 148, 664-78</li> <li><i>Elife</i> 5, e18591.</li> <li><i>Mol Cell</i> 20, 845-54</li> <li><i>FEBS Lett</i> 580,</li> <li><i>Stem Cells Int</i> 2</li> <li><i>Stem Cells Dev</i> 2</li> <li><i>EMBO Rep</i> 10, 166</li> <li><i>Cancer Lett</i> 3</li> <li><i>Oncotarget</i> 5, 1</li> <li><i>Cos One</i> 8, e80970</li> </ul>	.18. 6233-41. 016, 4034620. 24, 2193-205. 5-72. 69, 386-95. 1604-19.			
Species Reactivit	ty	Species reactivity is de	termined by testin	g in at least one approve	d application (e.g.,	western blot).	
Western Blot Bu	ffer	IMPORTANT: For weste dry milk, 1X TBS, 0.1%	ern blots, incubate Tween® 20 at 4°C	e membrane with diluted primary antibody in 5% w/v nonfat I with gentle shaking, overnight.			
Applications Key	,	W: Western Blotting IP	: Immunoprecipita	ation			
Cross-Reactivity	Кеу	H: Human M: Mouse R: Rat Mk: Monkey					
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