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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 110	Source/Isotype: Rabbit IgG	UniProt ID: #Q86WJ1	Entrez-Gene Id: 9557		
Product Usage Information Storage		Application Western Blotting Immunoprecipitation Supplied in 10 mM soc	lium HEPES (pH 7.5	5), 150 mM NaCl, 100 µg.	Dilution 1:1000 1:100 /ml BSA, 50% glycer	ol and less than		
-		0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity/Sen	-		I8C) Rabbit mAb recognizes endogenous levels of total CHD1L protein.					
Source / Purific	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding t residues surrounding Gly231 of human CHD1L protein.				prresponding to		
Background		Chromodomain-helicase-DNA-binding domain 1 like (CHD1L) is a DNA helicase and member of the SNF2 subfamily of ATP dependent chromatin remodeling enzymes (1). Unlike other CHD chromatin remodeling proteins, CHD1L lacks a methylated histone binding chromodomain but does contain a macro domain that binds poly-ADP ribosylated (PARylated) targets (1,2). Following genotoxic stress, CHD1L interacts with PARylated PARP1 and is recruited to sites of DNA damage to facilitate DNA repair (3,4). The CHD1L protein is often over expressed in metastatic hepatocellular carcinoma (HCC) and the corresponding <i>CHD1L</i> gene is located in a region that is frequently amplified in cases of HCC (5-7). Research studies indicate that CHD1L over expression may lead to over relaxation of chromatin and exposing the underlying DNA to genotoxic stress (1). CHD1L can regulate expression of genes that promote tumor cell proliferation, migration and metastasis, providing another mechanism where CHD1L may promote hepatocellular carcinoma progression and metastasis (6,8). Additional research studies suggest that over expression of CHD1L may be involved in the progression of bladder, colon and ovary cancer (9-11).						
Background Re	eferences	1. Deng, W. (2009) <i>Cell</i> 2. Karras, G.I. et al. (20 3. Gottschalk, A.J. et al. 4. Ahel, D. et al. (2009) 5. Ma, N.F. et al. (2008) 6. Chen, L. et al. (2009) 8. Chen, L. et al. (2009) 8. Chen, M. et al. (2009) 9. He, W.P. et al. (2012) 10. Ji, X. et al. (2013) <i>J</i> 11. Tian, F. et al. (2013)	1-20. Acad Sci U S A 106, 13770 -3.)3-10. 178-91. 22-9. 27. 37.)-4.				
Species Reactiv	/ity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot B	uffer	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 K	ey	W: Western Blotting IP: Immunoprecipitation						
Cross-Reactivit	у Кеу	H: Human						
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