Revision 3		
PCNA (D3H8P) XP <sup>®</sup> Rabbit mAb	T C	ell Signaling
	Orders:	877-616-CELL (2355) orders@cellsignal.com
0	Support:	877-678-TECH (8324)
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<b>Applications:</b> V, IP, IHC-P, IF-F, IF- IC, FC-FP	Reactivity: H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 36	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P12004	Entrez-Gene I 5111		
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilutio</b> 1:1000	ı		
	Immunoprecipitation			1:50				
	Immunohistochemist				1:16000			
	Immunofluorescence		1-t A	1:400 - 1				
	Immunofluorescence (Immunocytochemistry) Flow Cytometry (Fixed/Permeabilized)			1:400 - 1 1:100 - 1				
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.						
		For a carrier free (BSA and azide free) version of this product see product #71395.						
Specificity/Sens	sitivity	PCNA (D3H8P) XP $^{ extsf{B}}$ Rabbit mAb recognizes endogenous levels of total PCNA protein.						
Source / Purific	ation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human PCNA protein.						
Background		Proliferating cell nuclear antigen (PCNA) is a member of the DNA sliding clamp family of proteins that assist in DNA replication (1). Crystal structure data suggests that a PCNA homotrimer ring can encircle and slide along the DNA double helix (2). Multiple proteins involved in DNA replication, DNA repair, and cell cycle control bind to PCNA rather than directly associating with DNA, thus facilitating fast processing of DNA (reviewed in 3). PCNA protein expression is a well-accepted marker of proliferation.						
Background Re	ferences	1. Kelman, Z. and O'Donnell, M. (1995) <i>Nucleic Acids Res</i> 23, 3613-20. 2. Krishna, T.S. et al. (1994) <i>Cell</i> 79, 1233-43. 3. Maga, G. and Hubscher, U. (2003) <i>J Cell Sci</i> 116, 3051-60.						
Species Reactiv	vity	Species reactivity is de	etermined 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 BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Ke	≥y	<b>W:</b> Western Blotting <b>IP:</b> Immunoprecipitation <b>IHC-P:</b> Immunohistochemistry (Paraffin) <b>IF-F:</b> Immunofluorescence (Frozen) <b>IF-IC:</b> Immunofluorescence (Immunocytochemistry) <b>FC-FP:</b> Flow Cytometry (Fixed/Permeabilized)						
Cross-Reactivit	у Кеу	H: Human M: Mouse	<b>R:</b> Rat <b>Mk:</b> Monkey					
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