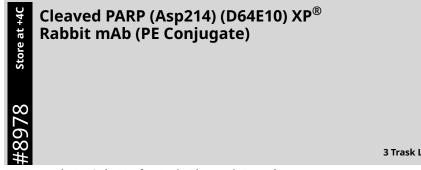
Rev		





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Applications: FC-FP	Reactivity: H Mk	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #P09874	Entrez-Gene Id: 142		
Product Usage Information		Application Flow Cytometry (Fixed/Po	ermeabilized)		Dilution 1:50		
Storage		Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibodies. Protect from light. Do not freeze.					
Specificity/Sensitivi	ty	Cleaved PARP (Asp214) (D64E10) XP [®] Rabbit mAb (PE Conjugate) detects endogenous levels of the large fragment (89 kDa) of human PARP1 protein produced by caspase cleavage. The antibody does not recognize full length PARP1 or other PARP isoforms.					
Source / Purificatior	า	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp214 of human PARP protein.					
Description		This Cell Signaling Technology antibody is conjugated to phycoerythrin (PE) and tested in-house for direct flow cytometry analysis in human cells. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated Cleaved PARP (Asp214) (D64E10) XP® Rabbit mAb #5625.					
Background		response to environmen (2,3) and is one of the ma occurs between Asp214 (24 kDa) from the carbox	tal stress (1). This protein ain cleavage targets of ca and Gly215, which separa y-terminal catalytic doma	a can be cleaved by m aspase-3 <i>in vivo</i> (4,5). ates the PARP amino- ain (89 kDa) (2,4). PAF	involved in DNA repair in nany ICE-like caspases <i>in vitro</i> In human PARP, the cleavage terminal DNA-binding domain RP helps cells to maintain their s a marker of cells undergoing		
Background Referer	nces	1. Satoh, M.S. and Lindahl, T. (1992) <i>Nature</i> 356, 356-358. 2. Lazebnik, Y. A. et al. (1994) <i>Nature</i> 371, 346-347. 3. Cohen, G.M. (1997) <i>Biochem. J.</i> 326, 1-16. 4. Nicholson, D. W. et al. (1995) <i>Nature</i> 376, 37-43. 5. Tewari, M. et al. (1995) <i>Cell</i> 81, 801-809. 6. Oliver, F.J. et al. (1998) <i>J. Biol. Chem.</i> 273, 33533-33539.					
Species Reactivity		Species reactivity is dete	rmined by testing in at le	ast one approved ap	plication (e.g., western blot).		
Applications Key		FC-FP: Flow Cytometry (F	ixed/Permeabilized)				
Cross-Reactivity Key	/	H: Human Mk: Monkey					
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