## Phospho-Histone H2A.X (Ser139) (20E3) Rabbit mAb (Alexa Fluor<sup>®</sup> 488 Conjugate)



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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<b>Applications:</b> FC-FP	<b>Reactivity:</b> H M R Mk	<b>Sensitivity:</b> Endogenous	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P16104	Entrez-Gene Id: 3014
Product Usage Information		<b>Application</b> Flow Cytometry (Fixed/P	ermeabilized)		<b>Dilution</b> 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 antibody. Protect from light. Do not freeze.			
Specificity/Sensitivity		Phospho-Histone H2A.X (Ser139) (20E3) Rabbit mAb detects endogenous levels of H2A.X only when phosphorylated at serine 139.			
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser139 of human H2A.X. The antibody was conjugated to Alexa Fluor <sup>®</sup> 488 under optimal conditions with an F/P ratio of 2-5.			
Description		This Cell Signaling Technology antibody is conjugated to Alexa Fluor <sup>®</sup> 488 fluorescent dye and tested in-house for direct flow cytometry and immunofluorescent analysis in human cells. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated Phospho-Histone H2A.X (Ser139) (20E3) Rabbit mAb #9718.			
Background					
Background References		1. Yuan, J. et al. (2010) <i>FEBS Lett</i> 584, 3717-24. 2. Rogakou, E.P. et al. (1998) <i>J Biol Chem</i> 273, 5858-68. 3. Burma, S. et al. (2001) <i>J Biol Chem</i> 276, 42462-7. 4. Rogakou, E.P. et al. (1999) <i>J Cell Biol</i> 146, 905-16. 5. Mukherjee, B. et al. (2006) <i>DNA Repair (Amst)</i> 5, 575-90. 6. Solier, S. et al. (2009) <i>Mol Cell Biol</i> 29, 68-82. 7. Lu, C. et al. (2006) <i>Mol Cell</i> 23, 121-32. 8. Lu, C. et al. (2008) <i>FEBS Lett</i> 582, 2703-8. 9. Cook, P.J. et al. (2009) <i>Nature</i> 458, 591-6.			

10. Xiao, A. et al. (2009) Nature 457, 57-62.

**Applications Key** FC-FP: Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey

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