

Product datasheet for TA327941

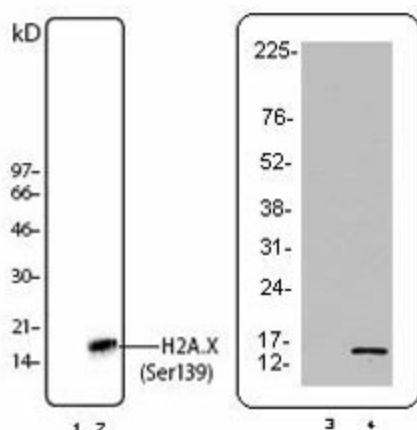
Histone H2A.X (H2AFX) Mouse Monoclonal Antibody [Clone ID: 2F3]

Product data:

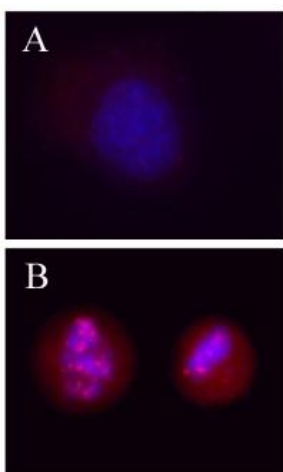
Product Type:	Primary Antibodies
Clone Name:	2F3
Applications:	IF, WB
Recommend Dilution:	WB, IHC, ICFC, IF
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	Modified peptide
Formulation:	This H2A.X antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. Final antibody concentration is 0.5 mg/ml.
Concentration:	0.5 mg/ml
Purification:	The antibody was purified by affinity chromatography.
Predicted Protein Size:	14 kD
Gene Name:	H2A histone family member X
Database Link:	NP_002096 Entrez Gene 15270 MouseEntrez Gene 3014 Human
Background:	H2A.X is a 14 kD basal histone and a member of the H2 histone family. This nuclear protein is synthesized in the G1 and S phase of the cell cycle and is known to be important for recombination between immunoglobulin switch regions. H2A.X becomes phosphorylated on serine 139 after double-stranded DNA breaks. Phosphorylated H2A.X promotes DNA repair and maintains genomic stability. The 2F3 monoclonal antibody reacts with phosphorylated human H2A.X (Ser139) and has been shown to be useful for Western blotting and immunofluorescence.
Synonyms:	H2A; H2A.X; H2AX; X
Protein Families:	Druggable Genome
Protein Pathways:	Systemic lupus erythematosus


[View online »](#)

Product images:



Untreated (Lane 1) and staurosporine-treated (Lane 2) Jurkat nuclear extract, untreated (Lane 3) and UV treated (Lane 4) Jurkat cell extract were western blotted using anti-phospho-H2A.X (Ser 139) antibody, clone: 2F3.



Untreated HeLa cells (Panel A), or overnight nocodazole treated HeLa cells (Panel B) stained with purified mouse monoclonal antibody against Ser139 phosphorylated H2A.X, followed by Rhodamine Red-X conjugated Donkey anti-mouse IgG and DAPI.