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Product Data Sheet

Anti-Histone H2A.X (Phospho-S139) Antibody

Catalog #	Source	Reactivity	Applications
CQA8446	Mouse	H, M	WB, IF/IC

Description	Mouse monoclonal antibody to Histone H2A.X (Phospho-S139)
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S139 of human Histone H2A.X protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of Histone H2A.X protein only when phosphorylated at S139.
Clonality	Monoclonal
Conjugation	
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Dilution	WB (1/500 - 1/1000), IF/IC (1/50 - 1/100)
Gene Symbol	H2AX
Alternative Names	H2AX; Histone H2AX; H2a/x; Histone H2A.X
Entrez Gene	3014 (Human); 15270 (Mouse)
SwissProt	P16104 (Human); P27661 (Mouse)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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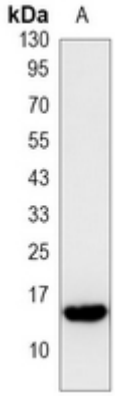
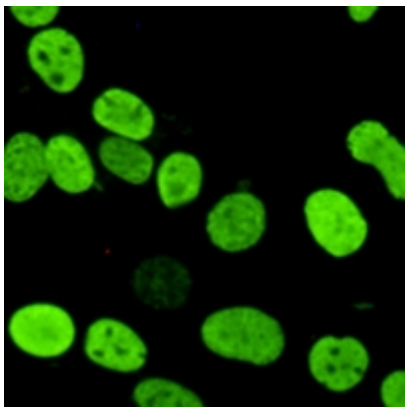


Western blot analysis of Histone H2A.X (Phospho-S139) expression in NIH3T3 treated with Hydroxyurea (A) whole cell lysates. (Predicted band size: 15 kD; Observed band size: 15 kD)



Immunofluorescent analysis of Histone H2A.X (Phospho-S139) staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

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