

Product Datasheet

Phospho-Histone H2A.X (Ser139) (1B3) rabbit mAb FITC conjugate Antibody (orb1946205)

Catalog Number	orb1946205
Category	Antibodies
Description	<p>Histone H2AX is a variant of the nucleosome core histone H2A and is phosphorylated at Ser139 in response to DNA damage. Histone H2AX phosphorylation is considered a specific reporter of double-strand DNA breaks. The protein is also referred to as gH2AX when phosphorylated at Ser139. H2AX phosphorylation is especially strong in response to double-strand breaks formed during apoptosis. However, physiological phosphorylation of Histone H2AX occurs when double-strand DNA breaks are formed during meiosis and V(D)J recombination. A549 and DU145 cell lines have been found to have higher expression levels of phosphorylated Histone H2AX compared to Jurkat, MCF-7, or HL-60 cell lines.</p>
Clonality	Monoclonal
Species/Host	Rabbit
Isotype	Rabbit IgG1k
Conjugation	FITC
Reactivity	Human, Mouse
Form/Appearance	Liquid
Buffer/Preservatives	1X PBS, 0.09% NaN ₃ , 0.2% rAlbumin
Purification	Protein A+G
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser139 of human phospho histone H2A.X.

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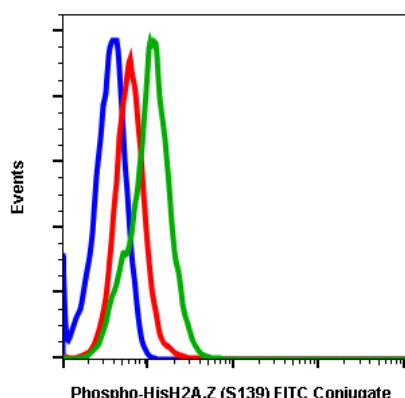
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UniProt ID **P16104****Tested applications** FC**Dilution range** For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells or 5 μ L per 100 μ L of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.**Cross Reactivity** Predicted to work with mouse, rat, and other homologues.**Clone Number** HisH2AXS139-1B3**Storage** 2-8°C**Note** For research use only**Expiration Date** 12 months from date of receipt.

Flow cytometric analysis of 293T cells unstained cells (blue) or stained untreated (red) or treated with UV and TPA (green) using Phospho-Histone H2A.X (Ser139) antibody HisH2AXS139-1B3 FITC-conjugated. Cat. #orb1946205.

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