

## Product Datasheet

# H2AX (Ubiquityl Lys119) Rabbit Polyclonal Antibody (orb2955)

<b>Catalog Number</b>	orb2955
<b>Category</b>	Antibodies
<b>Description</b>	H2AX (Ubiquityl Lys119) Rabbit Polyclonal Antibody
<b>Target</b>	H2AX
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Rat
<b>Predicted Reactivity</b>	Bovine, Porcine, Rabbit
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Buffer/Preservatives</b>	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
<b>Purification</b>	Affinity purified by Protein A
<b>Immunogen</b>	KLH conjugated Synthesised Ubiquitylpeptide derived from human H2AX around the Ubiquitylation site of Lys119
<b>UniProt ID</b>	<b>P16104</b>

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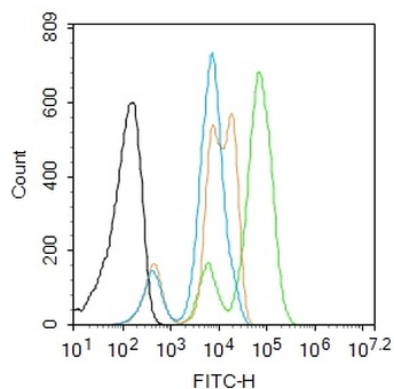
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<b>MW</b>	16 kDa
<b>Tested applications</b>	FC, IF, IHC-Fr, IHC-P
<b>Dilution range</b>	IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=2ug/Test
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Blank control: HeLa. Primary Antibody (green line): Rabbit Anti-Histone H2A.X (Ubiquityl Lys119) antibody (orb2955), dilution: 2  $\mu\text{g}/10^6$  cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-FITC, dilution: 1  $\mu\text{g}/\text{Test}$ . Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.

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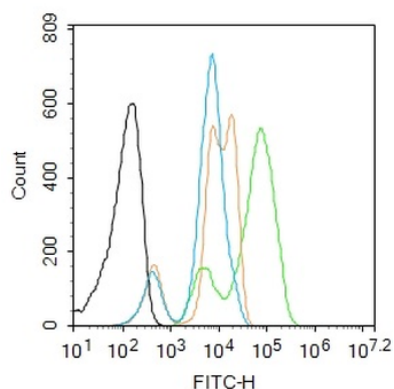
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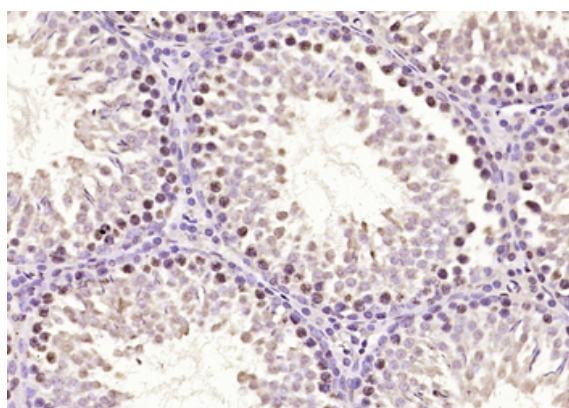
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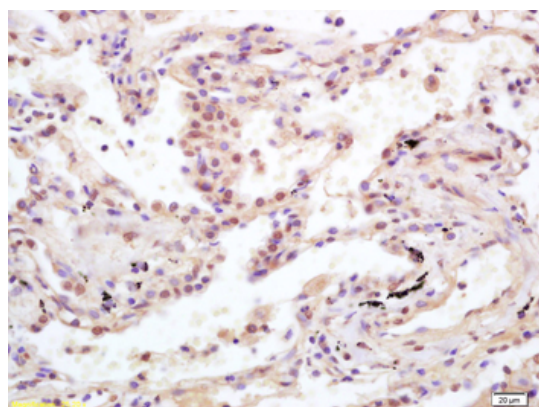
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Paraformaldehyde-fixed, paraffin embedded (rat testis tissue), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at  $37^\circ\text{C}$  for 30 min, Antibody incubation with (Histone H2A.X (Ubiquityl Lys119)) Polyclonal Antibody, Unconjugated (orb2955) at 1:200 overnight at  $4^\circ\text{C}$ , followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Tissue/Cell: human lung carcinoma, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at  $37^\circ\text{C}$  for 20 min, Incubation: Anti-Ubiquityl Histone H2A.X (Lys119) Polyclonal Antibody, Unconjugated (orb2955) 1:200, overnight at  $4^\circ\text{C}$ , followed by conjugation to the secondary antibody and DAB staining.

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