Product Data Sheet: Phospho Histone H2A.X (Ser139) Rabbit Polyclonal Antibody

Cat. No:	ABP-0640
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human Histone H2A.X around the phosphorylation site of Ser139. AA range:94-143.
Reactivity:	Human;Mouse;Rat;Hamster
Applications:	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:100 - 1:300 Immunofluorescence: 1:50-200 ELISA: 1:10000
Molecular Weight:	15 kDa
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Synonyms:	H2AFX; H2AX; Histone H2A.x; H2a/x
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higHer order structures. This gene encodes a replication-independent histone that is a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif.
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage:	SStore at -20°C. Avoid repeated freeze-thaw cycles.

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