

Phospho-Histone H2AX-S139 mAb

Catalog No.	AP0245	Category	Phosphorylated Antibodies
Applications	WB, IF	Observed MW	17kDa
Cross-reactivity	Human, Mouse	Calculated MW	15kDa

Immunogen Information

Immunogen	A phospho specific peptide corresponding to residues surrounding S139 of human H2AFX
Gene ID	3014
Swiss prot	P16104
Synonyms	H2AFX; H2A.X; H2A/X; H2AX; histone H2AX

Product information

Source	Mouse
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

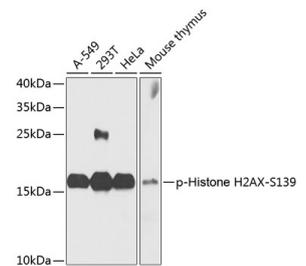
Background

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.

Recommended Dilutions

WB 1:500 -
1:2000

IF 1:100 -
1:200



Western blot - Phospho-Histone H2AX-S139 mAb (AP0245)