

## CAB11097

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### Product Information

<b>Product SKU:</b> CAB11097	<b>Gene ID:</b> 3014	<b>Size:</b> 20uL, 100uL
<b>Clone No:</b> -	<b>Host Species:</b> Rabbit	<b>Reactivity:</b> Human, Mouse, Rat, Other (Wide Range Predicted)

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### Additional Information

<b>Observed MW:</b> 15kDa	<b>Conjugate:</b> Unconjugated
<b>Calculated MW:</b> 15kDa	<b>Isotype:</b> IgG

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### Immunogen Information

**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 Dilution:** WB, 1:500 - 1:1000 IHC-P, 1:50 - 1:200 IF/ICC, 1:50 - 1:200

**Synonyms:** H2A.X; H2A/X; H2AFX; Histone H2AX

**Purification Method:** Affinity purification

**Immunogen:** A synthetic peptide corresponding to a sequence within amino acids 50-143 of human Histone H2AX (NP\_002096.1).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.