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# 11-7010: Polyclonal Antibody to Histone H2A.x

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|---|---|
| **Clonality :** | Polyclonal |
| **Application :** | WB |
| **Reactivity :** | Human |
| **Gene :** | H2AFX |
| **Gene ID :** | 3014 |
| **Uniprot ID :** | P16104 |
| **Format :** | Purified |
| **Alternative Name :** | H2AFX,H2AX |
| **Isotype :** | Rabbit IgG |
| **Immunogen Information :** | Full length recombinant Histone H2A.x protein was used as the immunogen for this antibody. |

## Description

Histones are major chromatin proteins that wrap DNA to form nucleosome particles. Each nucleosome core particle consists of approximately 146 bp DNA wrapped by an octamer containing 2 molecules each of histones H2A, H2B, H3, and H4. Histone H1 sits on the linker DNA between nucleosomes. Their major function is to compact long DNA strands inside the nucleus and chromatin regulation. Histone H2A X is a 15 kDa variant of Histone H2. Histone H2A X is also required for the repair of double-stranded DNA breaks particularly when modified by C-terminal phosphorylation on Ser-140. Histone H2A X is expressed in all eukaryotic cells.

## Product Info

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| **Amount :** | 25 µg / 100 µg |
| **Purification :** | Protein A Chromatography |
| **Content :** | 25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| **Storage condition :** | Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles. |

## Application Note

Western blot analysis: 2-4 µg/ml

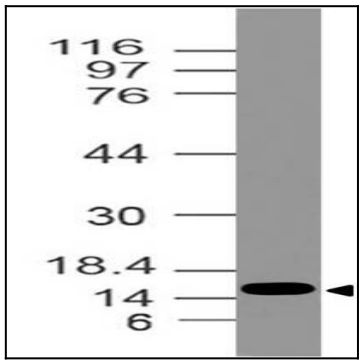



Fig-1: Western blot analysis of Histone H2A.X. Anti-Histone H2A.X antibody (11-7010) was used at 4 µg/ml on Ovary lysate.

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