# Histone H2A.X Polyclonal Antibody

**catalog number:** **E-AB-70233**

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

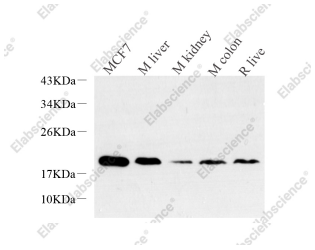
## Description

| | |
|---|---|
| **Reactivity** | Human;Mouse;Rat |
| **Immunogen** | KLH conjugated Synthetic peptide corresponding to Mouse Histone H2A.X |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Purification** | Affinity purification |
| **Buffer** | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol. |

## Applications — Recommended Dilution

| | |
|---|---|
| **WB** | 1:500-1:2000 |
| **IHC** | 1:300-1:800 |

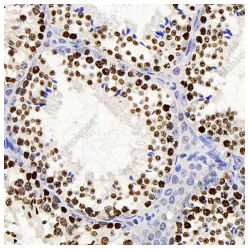
## Data



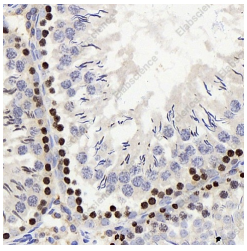

Western Blot analysis of various samples using Histone H2A.X Polyclonal Antibody at dilution of 1:1000.

**Observed-MW:18 kDa**

**Calculated-MW:15-18 kDa**



Immunohistochemistry analysis of paraffin-embedded mouse testis using Histone H2A.X Polyclonal Antibody at dilution of 1:400.



Immunohistochemistry analysis of paraffin-embedded rat testis using Histone H2A.X Polyclonal Antibody at dilution of 1:400.

## Preparation & Storage

| | |
|---|---|
| **Storage** | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| **Shipping** | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

## Background


Toll-free: 1-888-852-8623
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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.


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