Histone H2A.X Polyclonal Antibody

Catalog Number:E-AB-70233

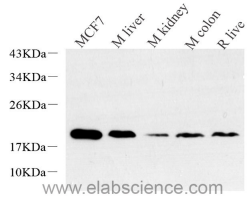
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

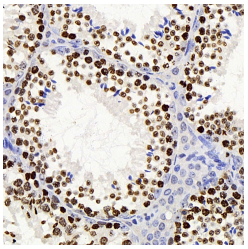
Reactivity	Human,Mouse,Rat
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse Histone H2A.X
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:300-1:800

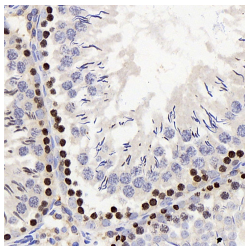
Data



Western Blot analysis of various samples using Histone H2A.X Polyclonal Antibody at dilution of 1:1000.
Observed Mw:18kDa
Calculated Mw:15-18kDa



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℃. Avoid freeze / thaw cycles.

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.

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