

HIST1H2BA Polyclonal Antibody

catalog number: E-AB-19784

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

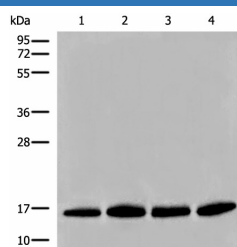
Description

| | |
|---------------------|--|
| Reactivity | Human;Mouse;Rat |
| Immunogen | Synthetic peptide of human HIST1H2BA |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Antigen affinity purification |
| Conjugation | Unconjugated |
| buffer | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

Applications

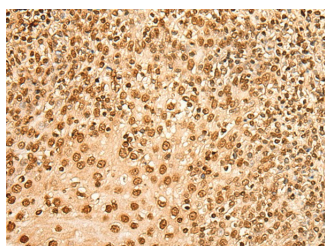
| | |
|------------|--------------|
| WB | 1:500-1:2000 |
| IHC | 1:50-1:300 |

Data

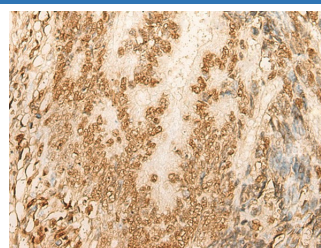


Western blot analysis of Human prostate tissue PC-3 A549 and TM4 cell lysates using HIST1H2BA Polyclonal Antibody at dilution of 1:500

Observed-MV:Refer to figures
Calculated-MV:14 kDa



Immunohistochemistry of paraffin-embedded Human tonsil tissue using HIST1H2BA Polyclonal Antibody at dilution of 1:45(×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using HIST1H2BA Polyclonal Antibody at dilution of 1:45(×200)

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

For Research Use Only

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The nucleosome, made up of four core histone proteins (H2A, H2B, H3, and H4), is the primary building block of chromatin. Originally thought to function as a static scaffold for DNA packaging, histones have now been shown to be dynamic proteins, undergoing multiple types of post-translational modifications, including acetylation, phosphorylation, methylation, and ubiquitination. Acetylation of specific lysine residues creates docking sites that facilitate recruitment of many transcription and chromatin regulatory proteins that contain a bromodomain, which binds to acetylated lysine residues. Histone H2B is rapidly phosphorylated at irradiation-induced DNA damage foci in mouse embryonic fibroblasts.

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