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11-7017: Polyclonal Antibody to Histone H2A

Clonality :	Polyclonal
Application :	IHC,WB
Reactivity :	Human
Gene :	HIST1H2AB
Gene ID :	3012
Uniprot ID :	P04908
Format :	Purified
Alternative Name :	HIST1H2AB,H2AFM
Isotype :	Rabbit IgG
Immunogen Information :	Full length recombinant Histone H2A protein was used as the immunogen for this antibody.

Description

Histone H2A is one of the five main histone proteins that is approximately 14 kDa protein consisting of 130 amino acid residues and present in the nucleosome in the form of H2A-H2B heterodimer. H2A is mainly composed of non-allelic variants and interestingly atypical variants, such as, MacroH2As, H2A.X, H2A-Bbd, differ considerably in size with H2A. H2A undergoes various post-translational modifications, including acetylation, phosphorylation, methylation, and ubiquitination, which occur in response to various stimuli and directly affect the accessibility of chromatin to transcription factors. This gene is mainly expressed on blood, brain, breast and it plays a significant role in the disease, riddle syndrome.

Product Info

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, Immunohistochemical analysis: 5 µg/ml

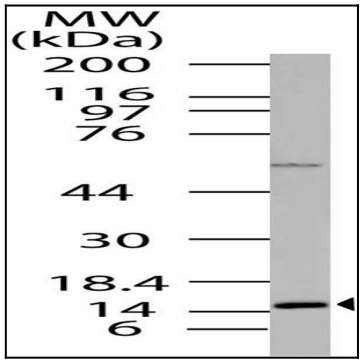


Fig-1: Western blot analysis of Histone H2A. Anti- Histone H2A antibody (11-7017) was used at 2 µg/ml on Brain lysate.

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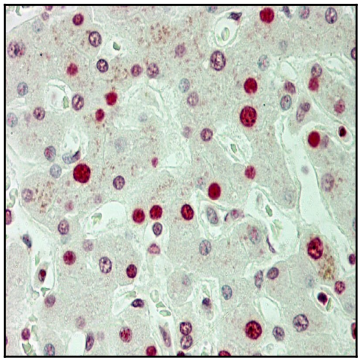


Fig-2: Immunohistochemical analysis of Histone H2A. Anti-Histone H2A antibody (11-7017) in human Liver tissue at 5 µg/ml.

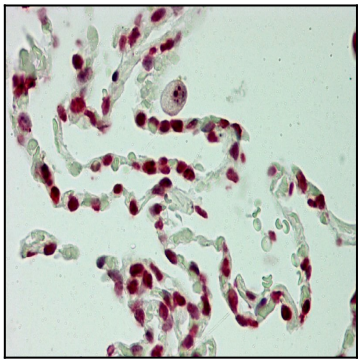


Fig-3: Immunohistochemical analysis of Histone H2A. Anti-Histone H2A antibody (11-7017) in human Lung tissue at 5 µg/ml.

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