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45-1034: Rabbit Polyclonal Antibody to Histone H2A(Discontinued)

Clonality :	Polyclonal
Application :	ELISA
Reactivity :	Human
Gene :	HIST2H2AC
Gene ID :	8338
Uniprot ID :	Q16777
Format :	Purified
Alternative Name :	Histone 2A, Histone H2A-GL101, Histone H2A/q, H2AFQ
Isotype :	Rabbit IgG
Immunogen Information :	Synthetic peptide derived from the carboxyl terminal of human histone H2A

Description

Histone H2A is the core component of the nucleosome. It is involved in nucleosome wrapping and compacting of DNA into chromatin, limiting DNAÂ's accessibility to the cellular machinery. Histones thereby play a central role in transcription regulation, DNA repair, replication, and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, called histone code, and nucleosome remodeling. Rabbit Anti-Histone H2A Polyclonal Antibody is developed in rabbit using a KLH-coupled synthetic peptide corresponding to the residues near carboxyl terminal of human histone H2A protein (Swiss Prot: Q16777).

Product Info

Amount :	40 µg
Purification :	Immunoaffinity chromatography
Content :	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide
Storage condition :	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Application Note

ELISA: 0.05-0.2 µg/ml
Western blot: 1-2 µg/ml
Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

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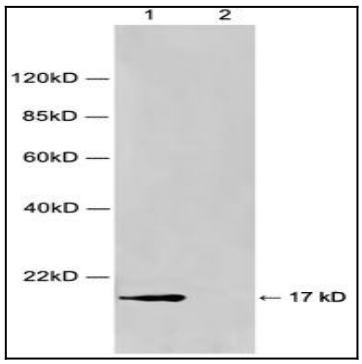

Figure-1 : Western blot analysis of Histone H2A Antibody at 1 µg/ml on Hela cell lysate, 1: Histone H2A Antibody, 2: Histone H2A Antibody pre-incubated with immunizing peptide. IRDye 800 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody.

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