

45-1040: Rabbit Polyclonal Antibody to Histone H4(Discontinued)

Clonality :	Polyclonal
Application :	ELISA
Reactivity :	Human
Gene :	HIST1H4G
Gene ID :	8369
Uniprot ID :	Q99525
Format :	Purified
Alternative Name :	Histone H4-like protein type G
Isotype :	Rabbit IgG
Immunogen Information :	KLH-coupled synthetic acetylpeptide corresponding to residues surrounding Lys12 of human Histone H4.

Description

Histone H4 is a core component of nucleosome. It facilitates nucleosome wrapping and DNA compacting into chromatin, thereby limiting the DNAs accessibility to the cellular machineries for which DNA is required as a template. Histones 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, of which the process is called the histone code, and nucleosome remodeling. Rabbit Anti-Histone H4 (Acetyl-K12) Polyclonal Antibody is developed in rabbit using a KLH-coupled synthetic acetylpeptide corresponding to residues surrounding Lys12 of human Histone H4 (Swiss Prot: Q99525).

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

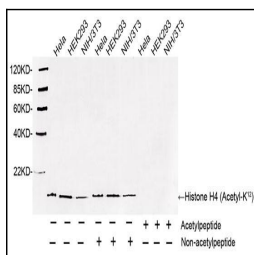


Figure-1 : Western blot analysis of Histone H4 (Acetyl-K12) Antibody at 1 µg/ml on HeLa, HEK293 & NIH/3T3 lysates, IRDye 800 Conjugated Goat Anti-Rabbit IgG was used as Secondary Antibody.