

**DATASHEET**

**Histone H1 Rabbit Polyclonal Antibody**

CAT. NO. APA11618

**KEY FEATURES**

Target	Histone H1	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Chicken	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

**BACKGROUND**

Histone H1 protein binds to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber . Histones H1 are necessary for the condensation of nucleosome chains into higher-order structured fibers and promote formation of the H3K27me3 mark by the PRC2/EED-EZH2 complex . Also acts as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

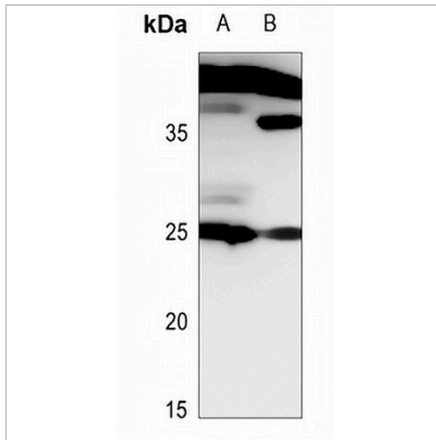
Description	Rabbit polyclonal antibody to Histone H1
Specificity	Recognizes endogenous levels of Histone H1 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Histone H1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 21; Observed: 25 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	HIST1H1A; H1F1; Histone H1.1; Histone H1a; HIST1H1C; H1F2; Histone H1.2; Histone H1c; Histone H1d; Histone H1s-1; HIST1H1D; H1F3; Histone H1.3; Histone H1c; Histone H1s-2; HIST1H1E; H1F4; Histone H1.4; Histone H1b; Histone H1s-4
Gene Symbol	HIST1H1A; HIST1H1C; HIST1H1D; HIST1H1E
Entrez Gene	3024; 3006; 3007; 3008(Human); 80838; 50708; 14957; 50709(Mouse); 291145; 201097(Rat)
SwissProt	Q02539; P16403; P16402; P10412(Human); P43275; P15864; P43277; P43274(Mouse); D4A3K5; P15865(Rat)

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\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of Histone H1 expression in rat kidney (A), rat testis (B) whole cell lysates. (Predicted band size: 21; 22 kD; Observed band size: 25 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.