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# Anti-Histone H1 Antibody

Catalog # AP54126

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q02539 |
| **Other Accession** | P16403, P16402, P10412 |
| **Reactivity** | Human, Mouse, Rat, Chicken, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 21842 |

## Additional Information

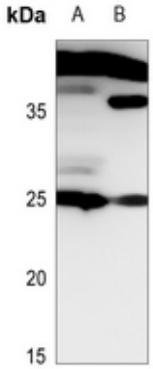
| | |
|---|---|
| **Gene ID** | 3024 |
| **Other Names** | HIST1H1A; H1F1; Histone H1.1; Histone H1a; HIST1H1C; H1F2; Histone H1.2; Histone H1c; Histone H1d; Histone H1s-1; HIST1H1D; H1F3; Histone H1.3; Histone H1c; Histone H1s-2; HIST1H1E; H1F4; Histone H1.4; Histone H1b; Histone H1s-4 |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Histone H1. The exact sequence is proprietary. |
| **Dilution** | WB~~WB (1/500 - 1/1000) |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

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|---|---|
| **Name** | H1-1 ( HGNC:4715) |
| **Synonyms** | H1F1, HIST1H1A |
| **Function** | Histone H1 protein binds to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber (PubMed:11130728). 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 (PubMed:11130728). Also acts as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation (By similarity). |
| **Cellular Location** | Nucleus {ECO:0000255\|PROSITE-ProRule:PRU00837, ECO:0000269\|PubMed:15911621}. Chromosome {ECO:0000255\|PROSITE- |

ProRule:PRU00837, ECO:0000269|PubMed:14985337, ECO:0000269|PubMed:15911621, ECO:0000269|PubMed:19882353}. Note=Mainly localizes in euchromatin.

## Images




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)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.