

Histone H1 Polyclonal Antibody

Catalog # AP70333

Product Information

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| Application | WB, IHC-P, IF, ICC, E |
| Primary Accession | P16401 , P16402 , P10412 |
| Reactivity | Human, Mouse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 22580 |

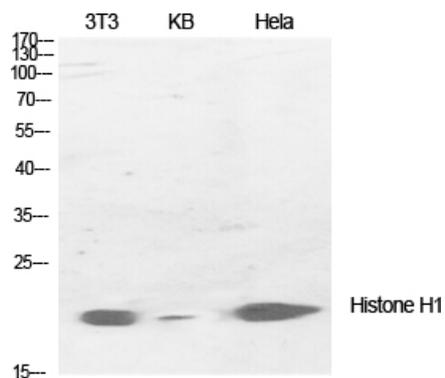
Additional Information

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| Gene ID | 3009 |
| Other Names | HIST1H1B; H1F5; Histone H1.5; Histone H1a; Histone H1b; Histone H1s-3; HIST1H1D; H1F3; Histone H1.3; Histone H1c; Histone H1s-2; HIST1H1E; H1F4; Histone H1.4; Histone H1b; Histone H1s-4 |
| Dilution | WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A |
| Format | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| Storage Conditions | -20°C |

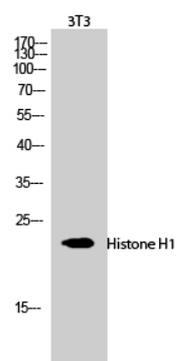
Protein Information

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|--------------------------|--|
| Name | H1-5 (HGNC:4719) |
| Function | Histone H1 protein binds to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber (By similarity). 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: 40516528). Also acts as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation (By similarity). |
| Cellular Location | Nucleus. Chromosome. Note=Enriched at the nuclear periphery and colocalizes with compacted DNA (heterochromatin) (PubMed:15911621, PubMed:38530350). Also associates with actively transcribed chromatin (PubMed:10997781). |
| Tissue Location | Ubiquitous. Expressed in the majority of the cell lines tested and in testis. |

Images



Western Blot analysis of various cells using Histone H1 Polyclonal Antibody diluted at 1 : 1000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Western Blot analysis of 3T3 cells using Histone H1 Polyclonal Antibody diluted at 1 : 1000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).

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