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Histone H1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51255

Specification

Histone H1 Antibody - Product Information

Application	**WB**
Primary Accession	P16401
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**31 KDa**
Antigen Region	**11 - 70**

Histone H1 Antibody - Additional Information

Gene ID 3009

Other Names
Histone H15, Histone H1a, Histone H1b, Histone H1s-3, HIST1H1B, H1F5

Target/Specificity
KLH conjugated synthetic peptide derived from human Histone H1

Dilution
WB~~ 1:1000

Format
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Histone H1 Antibody - Protein Information

Name H1-5 (HGNC:4719)

Function
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. Also acts as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation (By similarity).

Cellular Location
Nucleus. Chromosome. Note=Mainly localizes with heterochromatin (PubMed:15911621). Associates with actively transcribed chromatin and not heterochromatin (PubMed:10997781)

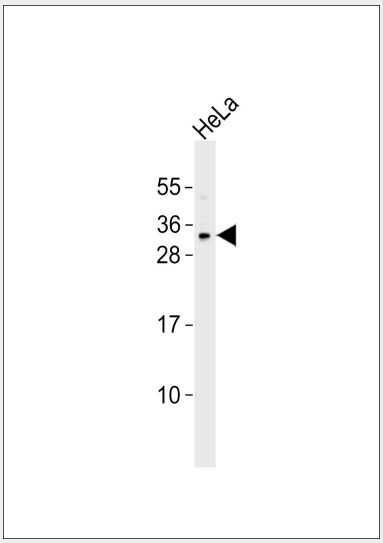
Tissue Location
Ubiquitous. Expressed in the majority of the cell lines tested and in testis.

Histone H1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Histone H1 Antibody - Images



Anti-Histone H1 Antibody at 1:1000 dilution + HeLa whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 23 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Histone H1 Antibody - 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. Acts also as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation (By similarity).

Histone H1 Antibody - References

Albig W.,et al.Gene 184:141-148(1997).
Marzluff W.F.,et al.Genomics 80:487-498(2002).
Mungall A.J.,et al.Nature 425:805-811(2003).
Ohe Y.,et al.J. Biochem. 106:844-857(1989).
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