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Histone H1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51255

Product Information

Application	WB
Primary Accession	P16401
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22580

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

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.

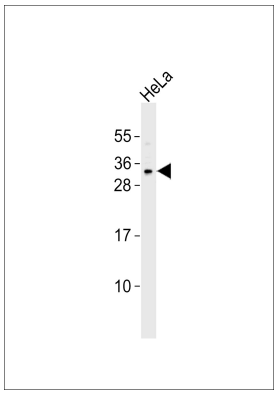
Background

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).

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).
Bienvenut W.V.,et al.Submitted (DEC-2008) to UniProtKB.

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.