

Histone H1.0 Rabbit mAb

Catalog # AP75537

Product Information

Primary Accession	P07305
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	20863

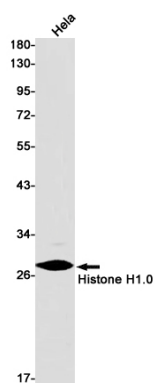
Additional Information

Gene ID	3005
Other Names	H1-0
Format	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	H1-0 (HGNC:4714)
Function	Histone H1 protein binds to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber (PubMed: 33238161). 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: 33238161). The histones H1.0 are found in cells that are in terminal stages of differentiation or that have low rates of cell division (PubMed: 7374750).
Cellular Location	Nucleus {ECO:0000255 PROSITE-ProRule:PRU00837, ECO:0000269 PubMed:18993075}. Nucleus, nucleolus. Chromosome {ECO:0000255 PROSITE- ProRule:PRU00837, ECO:0000269 PubMed:18993075, ECO:0000269 PubMed:25645921, ECO:0000269 PubMed:38530350} Note=Enriched at nucleolus-associated DNA repeats and chromatin domains (PubMed:25645921). During mitosis, it appears in the vicinity of condensed chromosomes (PubMed:18993075). The RNA edited version has been localized to nuclear speckles (PubMed:18993075). Compartmented to other H1 histones, shows a less pronounced peripheral nuclear localization (PubMed:38530350).

Images



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