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Phospho-Histone H1.4 (Thr17) Rabbit mAb

Catalog # AP78547

Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	P10412
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-Histone H1.4 (T17)
Purification	Affinity Chromatography
Calculated MW	21865

Additional Information

Gene ID	3008
Other Names	H1-4
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	H1-4 (HGNC:4718)
Function	Histone H1 protein binds to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber (PubMed:35581345, PubMed:40240600). 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:35581345, PubMed:40240600, PubMed:40516528). Ability to associate with nucleosomes and compact chromatin depends on linker DNA length and trajectory (PubMed:35581345). Also acts as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation (PubMed:40240600).
Cellular Location	Nucleus. Chromosome. Note=Mainly localizes in heterochromatin (PubMed:40240600). Distributed throughout the nucleus; displays a punctuate staining pattern in the nucleus (PubMed:38530350,

PubMed:40240600).

Images