

# Phospho-Histone H1.4 (Thr17) Rabbit mAb

Catalog # AP78547

## Product Information

---

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

## Additional Information

---

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

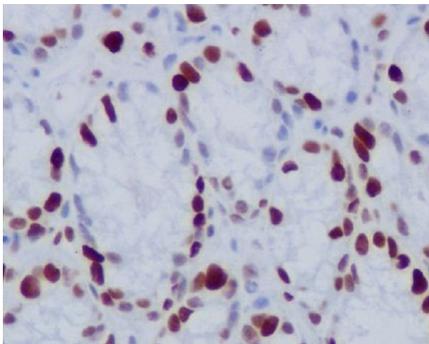
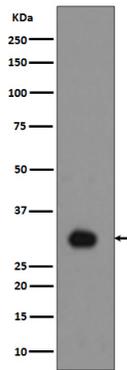
## Protein Information

---

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

## Images

---



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