

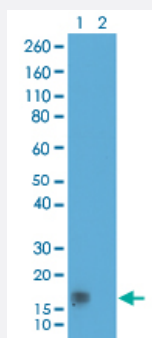
RecomAb™

# Histone H3 (phospho T11) monoclonal antibody, clone RM164

Catalog # MAB12796

Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of Lane 1: acid extracts of HeLa cell treated with Nocodazole and Lane 2: acid extracts of HeLa cell untreated with Histone H3 (phospho T11) monoclonal antibody, clone RM164 (Cat # MAB12796) at 0.5 ug/mL working concentration, showed a band of Histone H3 phosphorylated at Threonine 11.

## Specification

Product Description	Rabbit recombinant monoclonal antibody raised against of human histone H3 (T11).
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding T11 of human Histone H3.
Sequence	N/A
Specificity	This antibody reacts to Histone H3 phosphorylated at Threonine 11. No cross reactivity with other phosphorylated histones.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	ELISA (0.2 ug/mL-1 ug/mL) Western Blot (0.5 ug/mL-2 ug/mL) The optimal working dilution should be determined by the end user.

<b>Storage Buffer</b>	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — HIST1H3A

<b>Entrez GeneID</b>	<a href="#">8350</a>
<b>Protein Accession#</b>	<a href="#">P84243</a>
<b>Gene Name</b>	HIST1H3A
<b>Gene Alias</b>	H3/A, H3FA
<b>Gene Description</b>	histone cluster 1, H3a
<b>Omim ID</b>	<a href="#">602810</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq]
<b>Other Designations</b>	H3 histone family, member A histone 1, H3a

## Pathway

- [Systemic lupus erythematosus](#)