

## 10-6518: Mouse Monoclonal Antibody to Phospho-Histone H3(S10) (Clone: 44AT1232.94)(Discontinued)(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	44AT1232.94
<b>Application :</b>	WB
<b>Reactivity :</b>	Mouse,Human
<b>Gene :</b>	H3F3A
<b>Gene ID :</b>	3020;3021
<b>Uniprot ID :</b>	P84243
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Histone H33, H3F3A, H33A, H3F3
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Synthetic Peptide

### Description

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene contains introns and its mRNA is polyadenylated, unlike most histone genes. The protein encoded is a replication-independent member of the histone H3 family.

### Product Info

<b>Amount :</b>	80 $\mu$ l / 400 $\mu$ l
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
<b>Storage condition :</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots to prevent freeze-thaw cycles.

### Application Note

WB~1:100~500

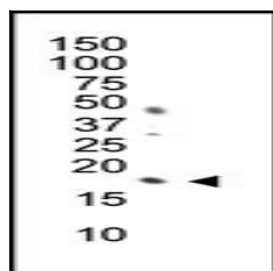


Figure 1: Western blot analysis of extracts from HL60 cells treated with 100nM of calyculin using Histone H3-pS10 Antibody (10-6518).