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**Product Name: Phospho-HistoneH3(S10) Rabbit Monoclonal Antibody****Catalog #: AMRe83712**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ICC,IP
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide,0.05% protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:2000,IHC 1:100-1:200,ICC/IF 1:50-1:200,ICC 1:50-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	15 kDa

**Antigen Information**

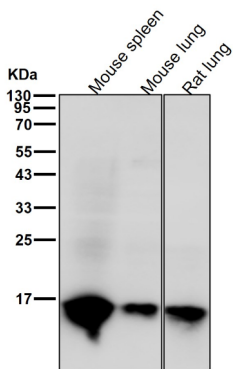
<b>Gene Name</b>	Phospho-HistoneH3(S10)
<b>Alternative Names</b>	H3 histone, family 3A; H3 histone, family 3B (H3.3B); H3.3A; H3.3B; H33; H3F3; H3F3A; H3F3B; Histone H3.3;;p-Histone H3 (S11)
<b>Gene ID</b>	
<b>SwissProt ID</b>	P68431
<b>Immunogen</b>	A synthesized peptide derived from human Histone H3.1 around the phosphorylation site of S11

**Background**

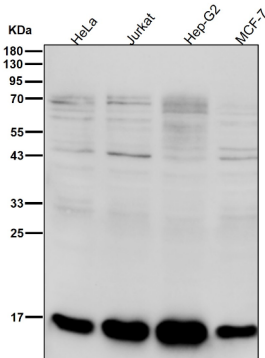
Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

## Research Area

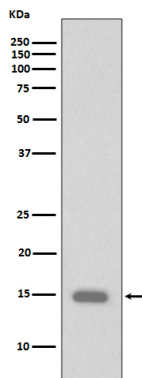
## Image Data



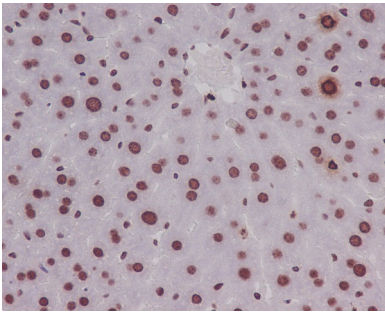
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of Phospho-Histone H3 (S10) expression in HeLa cell lysate treated with calyculin A.



Immunohistochemical analysis of paraffin-embedded mouse liver, using Phospho-Histone H3 (S10) Antibody.