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**Product Name: Histone H3.3 Rabbit Monoclonal Antibody****Catalog #: AMRe85655**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<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 TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100
<b>Molecular Weight</b>	Calculated MW: 15 kDa; Observed MW: 15 kDa

**Antigen Information**

<b>Gene Name</b>	Histone H3.3
<b>Alternative Names</b>	H3F3; H3.3A
<b>Gene ID</b>	3020.0
<b>SwissProt ID</b>	P84243
<b>Immunogen</b>	A synthetic peptide of human Histone H3.3

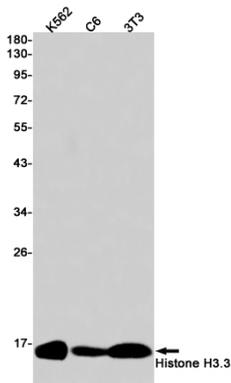
**Background**

H3 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

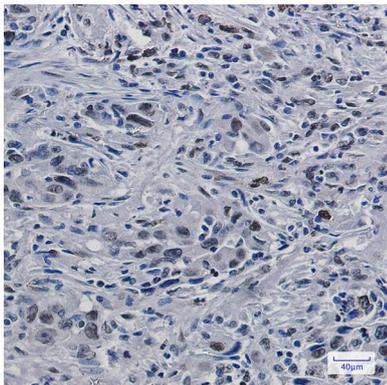
modifications of histones, also called histone code, and nucleosome remodeling.

## Research Area

### Image Data



Western blot analysis of Histone H3.3 in K562, C6, 3T3 lysates using Histone H3.3 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Histone H3.3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.