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**Product Name: Histone H3 Rabbit Monoclonal Antibody****Catalog #: AMRe83847**

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>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.19mg/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>	Calculated MW: 15 kDa ; Observed MW: 17 kDa

**Antigen Information**

<b>Gene Name</b>	Histone H3
<b>Alternative Names</b>	Histone H3.1, Histone H3, HIST1H3A;;Histone H3
<b>Gene ID</b>	
<b>SwissProt ID</b>	P68431
<b>Immunogen</b>	A synthesized peptide derived from human Histone H3.1

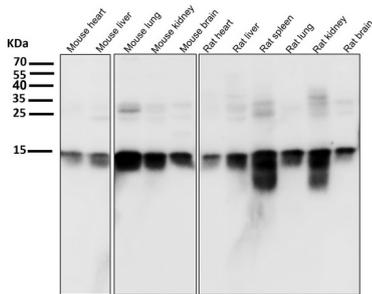
**Background**

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.

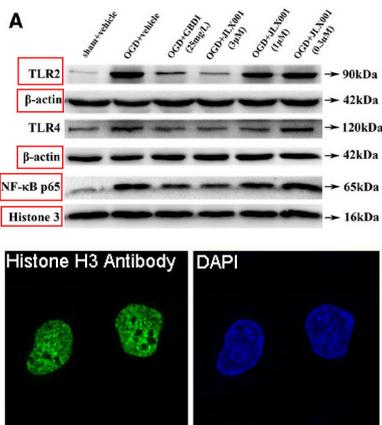
## Research Area

## Image Data



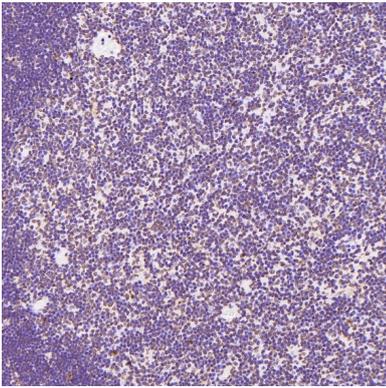
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.

Western blot analysis of Histone H3 expression in (1) HeLa cell lysate; (2) 3T3 cell lysate.

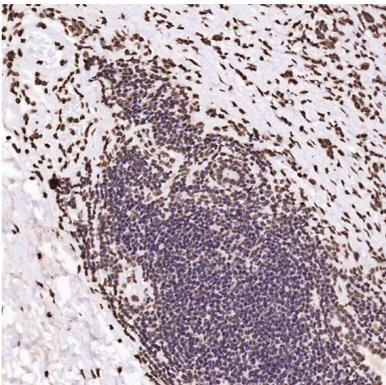


JLX001 Modulated the Inflammatory Reaction and Oxidative Stress in pMCAO Rats via Inhibiting the TLR2/4-NF-κB Signaling Pathway. -Neurochemical Research

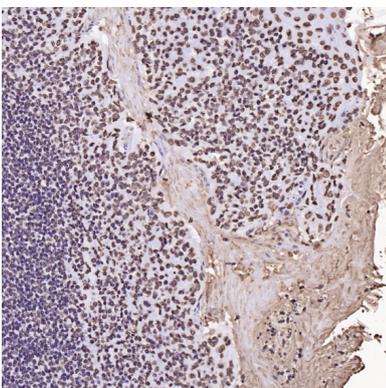
Immunofluorescent analysis of HeLa cells, using Histone H3 Antibody.



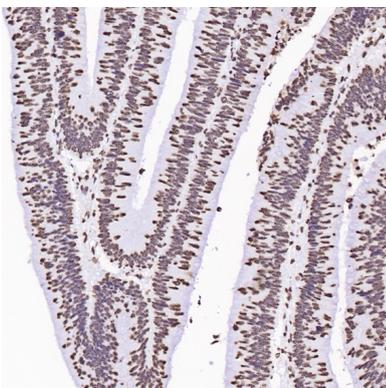
Immunohistochemical analysis of paraffin-embedded Rat thymus, using the Antibody at 1:200 dilution.



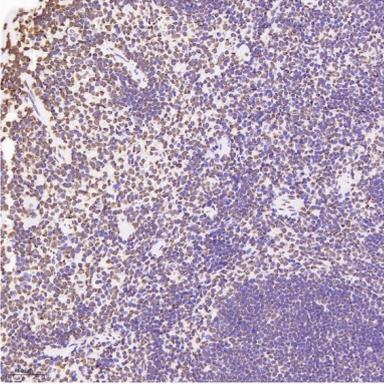
Immunohistochemical analysis of paraffin-embedded Human esophageal carcinoma, using the Antibody at 1:200 dilution.



Immunohistochemical analysis of paraffin-embedded Human tonsil, using the Antibody at 1:200 dilution.



Immunohistochemical analysis of paraffin-embedded Human colon cancer, using the Antibody at 1:200 dilution.



Immunohistochemical analysis of paraffin-embedded Mouse spleen, using the Antibody at 1:200 dilution.