

**HIST3H2A Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21623a**

**Specification**

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**HIST3H2A Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O7L7L0</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	14121

**HIST3H2A Antibody (N-term) - Additional Information**

**Gene ID** 92815

**Other Names**

Histone H2A type 3, HIST3H2A

**Target/Specificity**

This HIST3H2A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 33-67 amino acids from the N-terminal region of human HIST3H2A.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HIST3H2A Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HIST3H2A Antibody (N-term) - Protein Information**

**Name** H2AC25 ([HGNC:20507](#))

**Function** 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.

#### Cellular Location

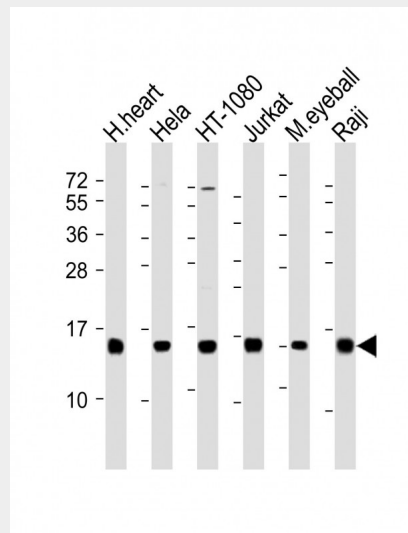
Nucleus. Chromosome.

### HIST3H2A Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### HIST3H2A Antibody (N-term) - Images



All lanes : Anti-HIST3H2A Antibody (N-term) at 1:2000 dilution Lane 1: human heart lysate Lane 2: HeLa whole cell lysate Lane 3: HT-1080 whole cell lysate Lane 4: Jurkat whole cell lysate Lane 5: mouse eyeball lysate Lane 6: Raji whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

### HIST3H2A Antibody (N-term) - 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.

### HIST3H2A Antibody (N-term) - References

Marzluff W.F., et al. Genomics 80:487-498(2002).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Gregory S.G., et al. Nature 441:315-321(2006).  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Aihara H., et al. Genes Dev. 18:877-888(2004).