

**HIST1H2AE antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI14597****Specification**

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**HIST1H2AE antibody - middle region - Product Information**

Application	WB
Primary Accession	<a href="#">O7L7L0</a>
Other Accession	<a href="#">NM_021052</a> , <a href="#">NP_066390</a>
Reactivity	Human, Rat, Pig, Bovine
Predicted	Human, Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14kDa KDa

**HIST1H2AE antibody - middle region - Additional Information****Gene ID** 92815**Alias Symbol** H2A.1, H2A.2, H2A/a, H2AFA, HIST1H2AB  
**Other Names**  
Histone H2A type 3, HIST3H2A**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-HIST1H2AE antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

HIST1H2AE antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**HIST1H2AE antibody - middle region - 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**

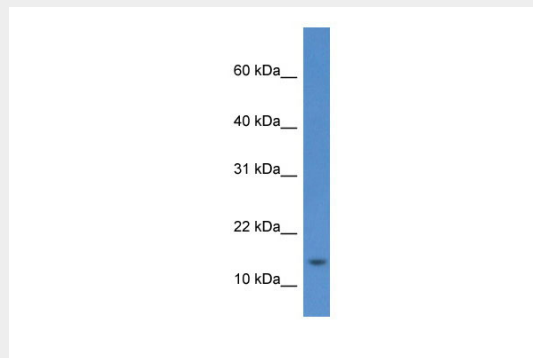
Nucleus. Chromosome.

## HIST1H2AE antibody - middle region - 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](#)

## HIST1H2AE antibody - middle region - Images



WB Suggested Anti-HIST1H2AE Antibody Titration: 1.0  $\mu$ g/ml  
Positive Control: RPMI-8226 Whole Cell

## HIST1H2AE antibody - middle region - 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).