

**Anti-Histone H3.3 H3F3A Rabbit Monoclonal Antibody**  
Catalog # ABO14122**Specification****Anti-Histone H3.3 H3F3A Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC
Primary Accession	<a href="#">P84243</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Histone H3.3 H3F3A Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

**Anti-Histone H3.3 H3F3A Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 3020;3021

**Other Names**

Histone H3.3, H3-3A ([HGNC:4764](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=4764)), H3.3A, H3F3, H3F3A

**Calculated MW**

15328 MW KDa

**Application Details**

WB 1:500-1:1000<br>IHC 1:500-1:1000<br>ICC/IF 1:500-1:1000

**Subcellular Localization**

Nucleus. Chromosome.

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Histone H3.3

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

## Anti-Histone H3.3 H3F3A Rabbit Monoclonal Antibody - Protein Information

**Name** H3-3A ([HGNC:4764](#))

**Synonyms** H3.3A, H3F3, H3F3A

### Function

Variant histone H3 which replaces conventional H3 in a wide range of nucleosomes in active genes. Constitutes the predominant form of histone H3 in non-dividing cells and is incorporated into chromatin independently of DNA synthesis. Deposited at sites of nucleosomal displacement throughout transcribed genes, suggesting that it represents an epigenetic imprint of transcriptionally active chromatin. 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

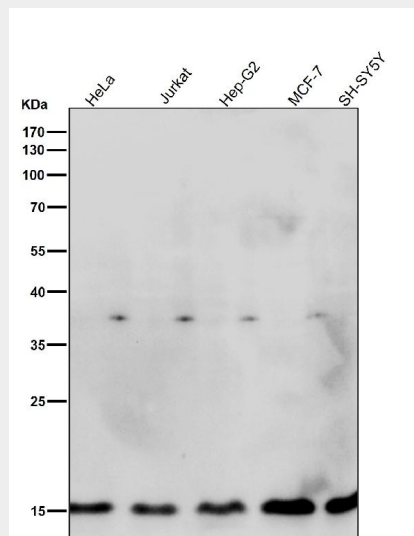
Nucleus. Chromosome

## Anti-Histone H3.3 H3F3A Rabbit Monoclonal Antibody - Protocols

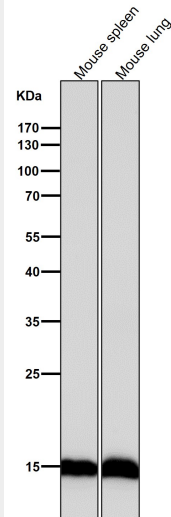
Provided below are standard protocols that you may find useful for product applications.

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

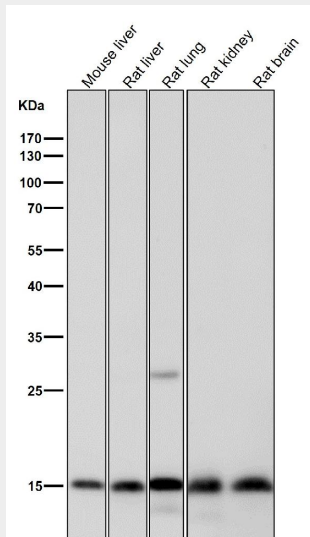
## Anti-Histone H3.3 H3F3A Rabbit Monoclonal Antibody - Images



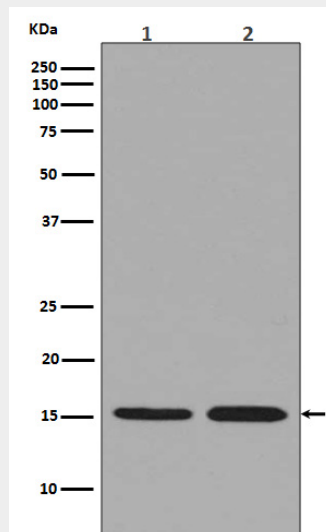
All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



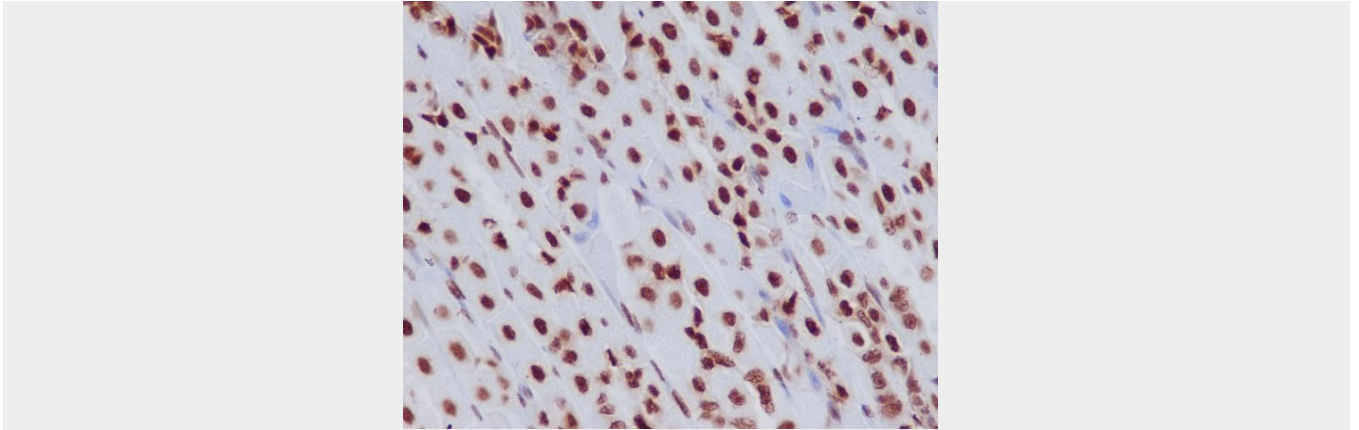
All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:5K dilution for 1 hour at room temperature.



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



Immunohistochemical analysis of paraffin-embedded mouse stomach, using Histone H3.3 Antibody.