

Anti-Histone H3.3 H3F3A Rabbit Monoclonal Antibody

Catalog # ABO14122

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	P84243
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.

Additional Information

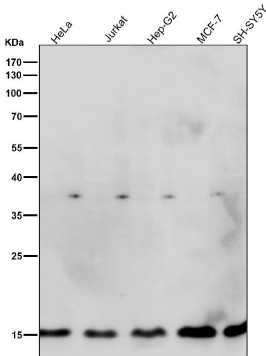
Gene ID	3020;3021
Other Names	Histone H3.3, H3-3A (HGNC:4764), H3.3A, H3F3, H3F3A
Calculated MW	15328
Application Details	WB 1:500-1:1000 IHC 1:500-1:1000 ICC/IF 1:500-1:1000
Subcellular Localization	Nucleus. Chromosome.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: EBF-8
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.

Protein Information

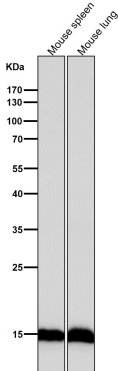
Name	H3-3A (HGNC:4764)
Synonyms	H3.3A, H3F3, H3F3A

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

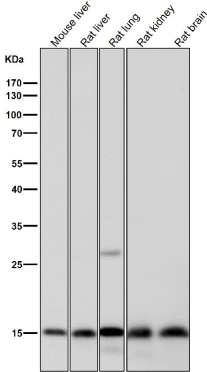
Images



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

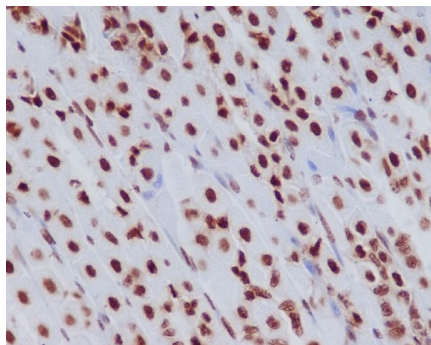
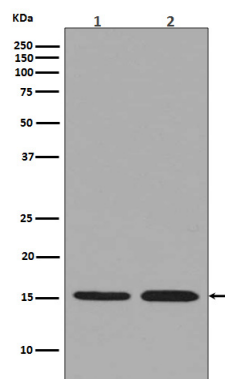


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Western blot analysis of Histone H3.3 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate.



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.