

Datasheet for ABIN2855155
anti-Histone H3.3 antibody

3 Images

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Overview

Quantity:	100 µL
Target:	Histone H3.3 (H3F3A)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H3.3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Histone H3.3. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Rabbit Polyclonal antibody to Histone H3.3 (H3 histone, family 3A) Histone H3.3 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	Histone H3.3 (H3F3A)
Alternative Name:	H3 histone, family 3A (H3F3A Products)

Target Details

Background: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene contains introns and its mRNA is polyadenylated, unlike most histone genes. The protein encoded is a replication-independent member of the histone H3 family.

Cellular Localization: Nucleus

Molecular Weight: 15 kDa

Gene ID: 3020

Application Details

Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: IMR32 , PC-12 , Rat2

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.08 mg/mL

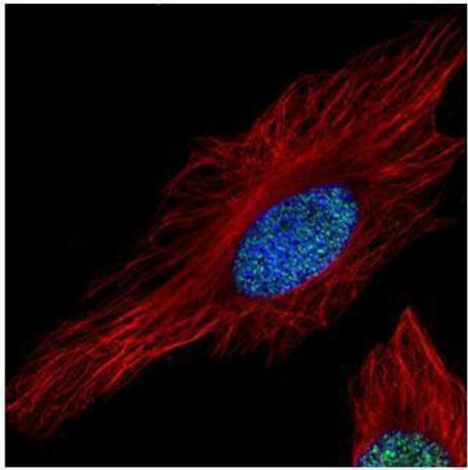
Buffer: 0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

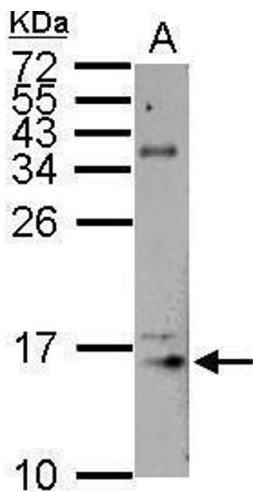
Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



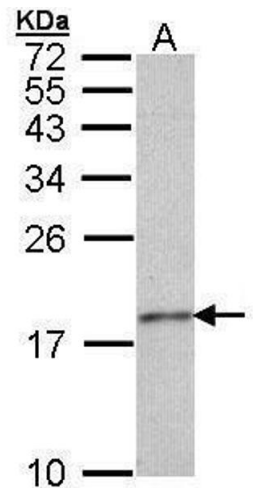
Immunofluorescence

Image 1. ICC/IF Image Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed HeLa, using Histone H3.3, antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with (Red) at 1:2000.



Western Blotting

Image 2. WB Image Sample (50 ug of whole cell lysate) A: mouse brain 15% SDS PAGE antibody diluted at 1:500



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: IMR32 15% SDS PAGE antibody diluted at 1:1000