

Datasheet for ABIN3031135
anti-Histone H3.3 antibody (Lys9)

5 Images

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Overview

Quantity:	0.4 mL
Target:	Histone H3.3 (H3F3A)
Binding Specificity:	Lys9
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Histone H3.3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	This Histone H3.3 antibody was produced from rabbits immunized with a KLH conjugated synthetic peptide selected from the K9 region of human H3F3A.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	Histone H3.3 (H3F3A)
Alternative Name:	Histone H3.3 (H3F3A) (H3F3A Products)
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core

Target Details

histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene for histone H3-MeK9 is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails, instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.

UniProt: [P84243](#)

Application Details

Application Notes: Titration of the Histone H3.3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

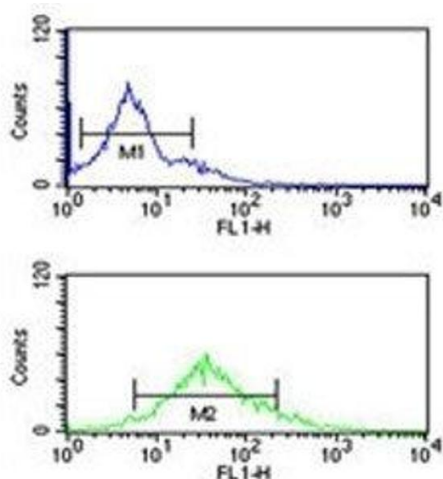
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

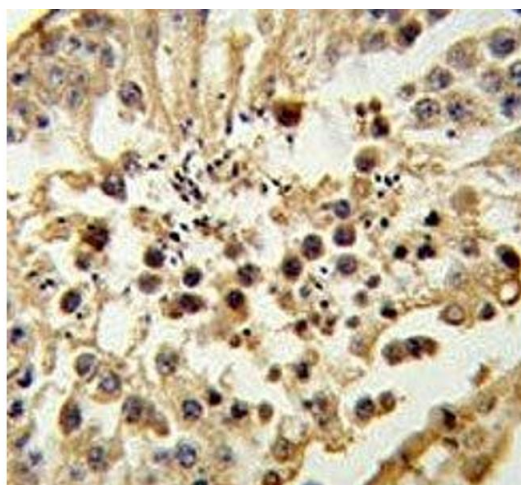
Storage: -20 °C

Storage Comment: Aliquot the Histone H3.3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Flow Cytometry

Image 1. Histone H3.3 antibody flow cytometric analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Immunohistochemistry

Image 2. Histone H3.3 antibody IHC analysis in formalin fixed and paraffin embedded testis tissue.



Western Blotting

Image 3. Western blot analysis of Histone H3.3 in K562 lysate

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3031135.