

## Histone H3.3 Antibody (H3F3A) (F40711)

Catalog No.	Formulation	Size
F40711-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40711-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

**Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P84243
Applications	Dot Blot : 1:500
Limitations	This Histone H3.3 antibody is available for research use only.

Dot blot analysis of phospho-Histone H3.3 antibody. 50ng of Methyl-peptide or Non Methyl-peptide per dot were spotted.



NM-Peptide

M-Peptide

### Description

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 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.

## Application Notes

Titration of the Histone H3.3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 1-30 from human H3F3A was used as the immunogen for this Histone H3.3 antibody.

## Storage

Aliquot the Histone H3.3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.