

H3K27me3S28p polyclonal antibody
Rabbit Polyclonal Antibody
Catalog # ABV11345**Specification**

H3K27me3S28p polyclonal antibody - Product Information

Application	CHIP, DB, E, WB
Primary Accession	P68431
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	15404

H3K27me3S28p polyclonal antibody - Additional Information**Gene ID** 8350;8351;8352;8353;8354;8355;8356;8357;8358;8968

Positive Control	Western blot: HeLa cells, IF: HeLa cells, ELISA: Antigen, ChIP: HeLa cells, Dot blot: Histone Peptides.
Application & Usage	IF: 1:200, WB: 1:250 - 1:500, ELISA: 1:100 - 1:500, Dot Blot: 1:20,000, ChIP: 1 µl/ChIP, IP: 5 µl/IP.

Other Names
Histone H3**Target/Specificity**
H3K27me3S28p**Antibody Form**
Liquid**Appearance**
Colorless liquid**Formulation**
In PBS with 0.05% (W/V) sodium azide.**Handling**
The antibody solution should be gently mixed before use.**Reconstitution & Storage**
-20 °C**Background Descriptions****Precautions**
H3K27me3S28p polyclonal antibody is for research use only and not for use in diagnostic or therapeutic procedures.

H3K27me3S28p polyclonal antibody - Protein Information

Name H3C1 ([HGNC:4766](#))

Synonyms H3FA, HIST1H3A

Function

Core component of nucleosome. 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

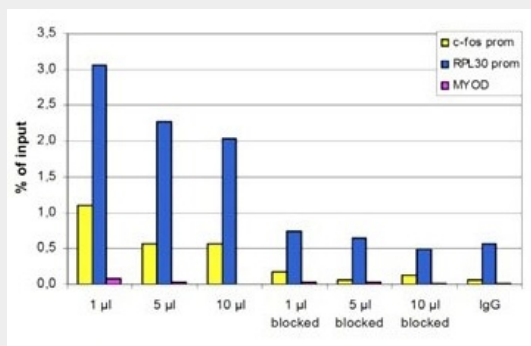
Nucleus. Chromosome.

H3K27me3S28p polyclonal antibody - Protocols

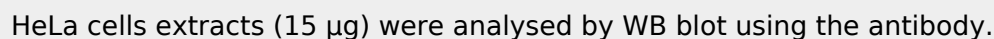
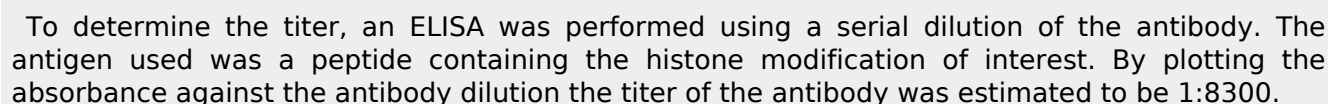
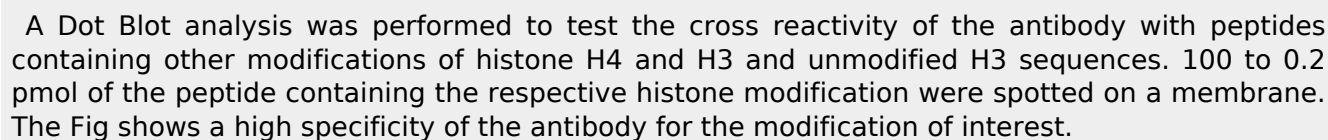
Provided below are standard protocols that you may find useful for product applications.

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

H3K27me3S28p polyclonal antibody - Images



ChIP assays were performed using HeLa cells and the antibody and optimized PCR primer sets for qPCR. A titration of the antibody consisting of 2, 5, 10 and 15 µl per ChIP experiment was analysed. IgG (5 µg/IP) was used as negative control. The Fig shows the recovery, expressed as a % of input (the relative amount of IP DNA compared to input DNA after qPCR analysis).



Histones are the main constituents of the protein part of chromosomes of eukaryotic cells. They are rich in the amino acids arginine and lysine and have been greatly conserved during evolution. Histone tails undergo numerous post-translational modifications, which either directly or indirectly alter chromatin structure to facilitate transcriptional activation or repression or other nuclear processes. Histone methylation and demethylation is dynamically regulated by respectively histone methyl transferases and histone demethylases. Phosphorylation of H3 on serine 28 is increased during mitosis.