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H3K4me3 polyclonal antibody - Premium

Purified Rabbit Polyclonal Antibody

Catalog # ADN10137

Specification

H3K4me3 polyclonal antibody - Premium - Product Information

Application	**CHIP, E, DB, WB, IF**
Primary Accession	P68431
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**15404**

H3K4me3 polyclonal antibody - Premium - Additional Information

Gene ID 8350;8351;8352;8353;8354;8355;8356;8357;8358;8968

Other Names
Histone H3.1, Histone H3/a, Histone H3/b, Histone H3/c, Histone H3/d, Histone H3/f, Histone H3/h, Histone H3/i, Histone H3/j, Histone H3/k, Histone H3/l, HIST1H3A, H3FA

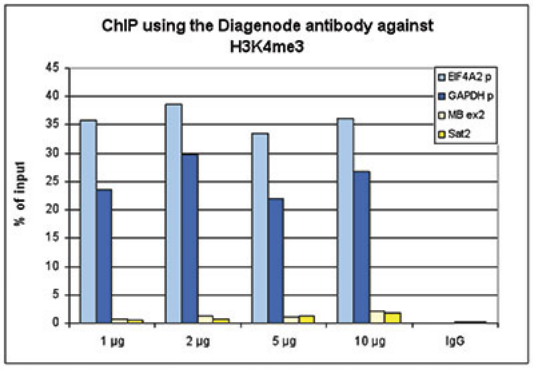
Target/Specificity
H3K4me3 - Premium

Precautions
H3K4me3 polyclonal antibody - Premium is for research use only and not for use in diagnostic or therapeutic procedures.

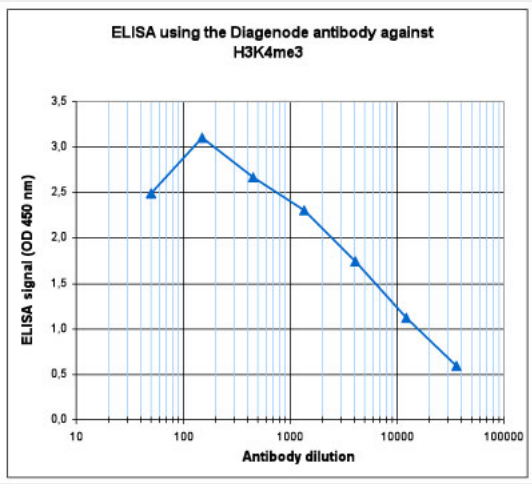
H3K4me3 polyclonal antibody - Premium - Protein Information

Name H3C1 (HGNC:4766)

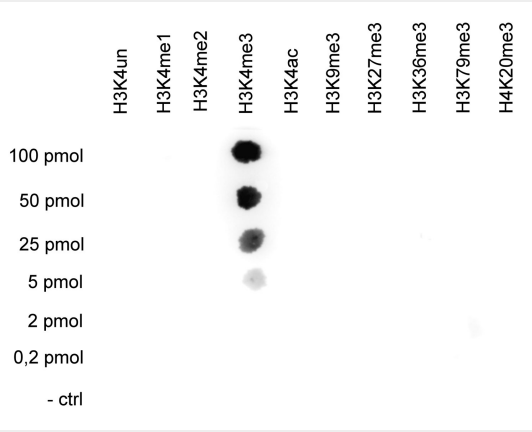
Function
Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of



ChIP results obtained with the antibody directed against H3K4me3



Determination of the antibody titer



Cross reactivity tests using the antibody

histones, also called histone code, and nucleosome remodeling.

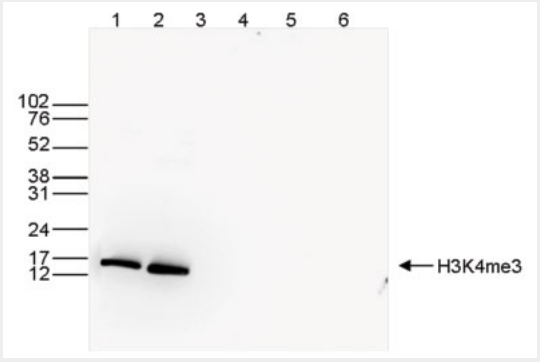
Cellular Location
Nucleus. Chromosome.

H3K4me3 polyclonal antibody - Premium - Protocols

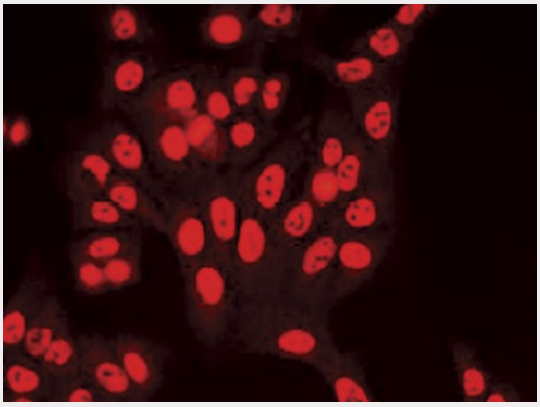
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

directed against H3K4me3



Western blot analysis using the antibody directed against H3K4me3



Immunofluorescence using the antibody directed against H3K4me3

H3K4me3 polyclonal antibody - Premium - Background

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.

H3K4me3 polyclonal antibody - Premium - References

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