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Histone H3 (phospho-Ser28) (Clone 117C826) Antibody

Mouse Monoclonal Antibody
Catalog # ABV11116

Specification

Histone H3 (phospho-Ser28) (Clone 117C826) Antibody - Product Information

Application	**WB**
Primary Accession	P68431
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse IgG**
Calculated MW	**15404**

Histone H3 (phospho-Ser28) (Clone 117C826) Antibody - Additional Information

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

Positive Control	**Western blot: Untreated Jurkat cell lysate, FAS-antibody treated Jurkat cell lysate**
Application & Usage	**Western blot: 2 µg/ml. However, the optimal conditions should be determined individually.**

Other Names
PHH3, 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

Target/Specificity
Histone H3

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
50 µg of antibody in 100 µl PBS containing 0.05% sodium azide.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
Histone H3 (phospho-Ser28) (Clone 117C826) Antibody is for research use only and not for use in

diagnostic or therapeutic procedures.

Histone H3 (phospho-Ser28) (Clone 117C826) 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.

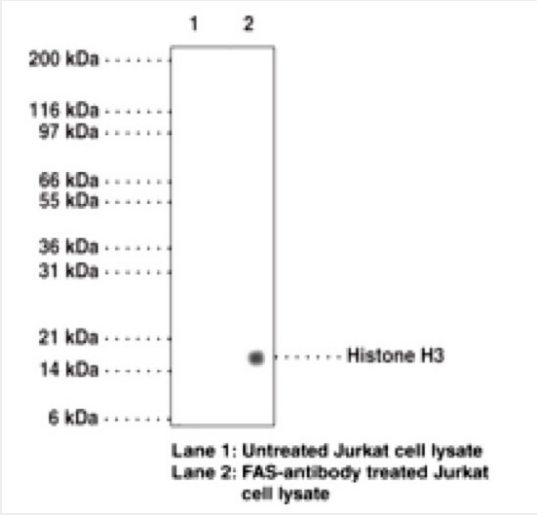
Cellular Location
Nucleus. Chromosome.

Histone H3 (phospho-Ser28) (Clone 117C826) 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 Cytomety
- Cell Culture

Histone H3 (phospho-Ser28) (Clone 117C826) Antibody - Images



WB using Histone H3 mAb. Lane1:Untreated Jurkat cell lysate; Lane2:FAS-antibody treated Jurkat Cell lysate.

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Histone H3 (phospho-Ser28) (Clone 117C826) Antibody - Background

The phosphorylation of histone H3 plays an important role in gene expression, chromatin remodeling, chromosome condensation, and cell division. Histone H3 phosphorylation may initiate at different phases of the cell division in different organisms, but metaphase chromosomes are always found to be heavily phosphorylated. H3 phosphorylation at serine 28 is coupled with mitotic chromosome condensation in diverse mammalian cell lines.