

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/l, Histone H3/j, Histone H3/k, Histone H3/l

Target/Specificity

Histone H3

Antibody Form

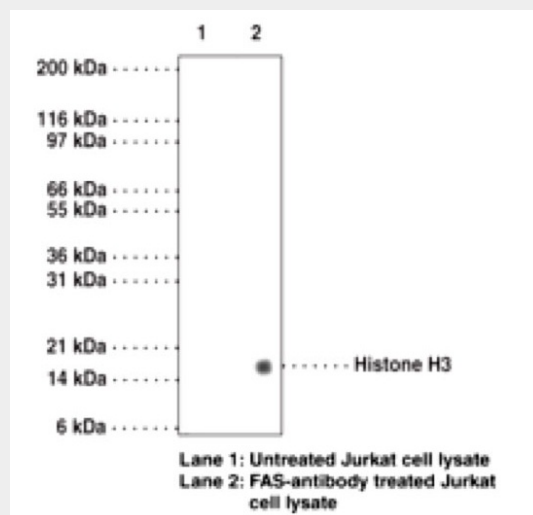
Liquid

Appearance

Colorless liquid

Formulation

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



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

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.

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 Cytometry](#)
- [Cell Culture](#)