For Research Use Only

Acetyl-Histone H3 (Lys9) Polyclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:29133-1-AP Featured Product 1 Publications

Basic Information

Catalog Number:
29133-1-AP

Size:
200 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC066245

GeneID (NCBI):
8350

UNIPROT ID:
P68431

Full Name:
histone cluster 1, H3a

Observed MW:
15 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:2000-1:12000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
IHC

Species Specificity:
Human

Cited Species:
rat

Positive Controls:

WB : HeLa cells,

Background Information

Histones, including H1/H5 (linker histones), H2, H3, and H4 (core histones), are nucleic proteins which interact with DNA to form the nucleosomes and play important roles in gene regulation and DNA replication. Histone proteins are highly post-translationally modified while Histone H3 is the most extensively modified.The NSD family histone methyltransferases, including NSD1, NSD2 and NSD3, play crucial roles in chromatin regulation and are implicated in oncogenesis (PMID: 33361816).

Notable Publications

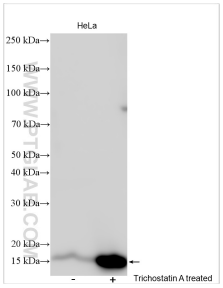
Author	Pubmed ID	Journal	Application
Jie Gao	37897558	Neurochem Res	IHC

Storage

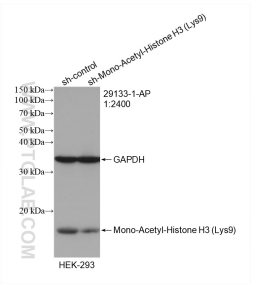
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Untreated and Trichostatin A treated HeLa cell lysates were subjected to SDS PAGE followed by western blot with 29133-1-AP (Mono-Acetyl-Histone H3 (Lys9) antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



WB result of Mono-Acetyl-Histone H3 (Lys9) antibody (29133-1-AP; 1:2400; incubated at room temperature for 1.5 hours) with sh-Control and sh-Mono-Acetyl-Histone H3 (Lys9) transfected HEK-293 cells.