

A22264

Leader in Biomolecular Solutions for Life Science



Acetyl-Histone H3-K27 Rabbit mAb

Catalog No.: A22264

Recombinant

5 Publications

Basic Information

Observed MW

17kDa

Calculated MW

15kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB, IHC-P, IF/ICC, ChIP, ChIP-
seq, ELISA, DB

Cross-Reactivity

Human, Mouse, Rat, Other (Wide Range
Predicted)

CloneNo number

ARC54943

Recommended Dilutions

WB 1:10000 - 1:40000**DB** 1:2000 - 1:20000**IHC-P** 1:50 - 1:200**IF/ICC** 1:50 - 1:200**ELISA** Recommended starting
concentration is 1
µg/mL. Please optimize
the concentration
based on your specific
assay requirements.**ChIP** 5µg antibody for
5µg-10µg of Chromatin**ChIP-seq** 1:50 - 1:200

Contact

 www.abclonal.com

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

Immunogen Information

Gene ID

8290/8350

Swiss Prot

Q16695/P68431

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

H3t; H3.4; H3/g; H3FT; H3C16; HIST3H3; Acetyl-Histone H3-K27

Product Information

Source

Rabbit

Isotype

IgG

Purification

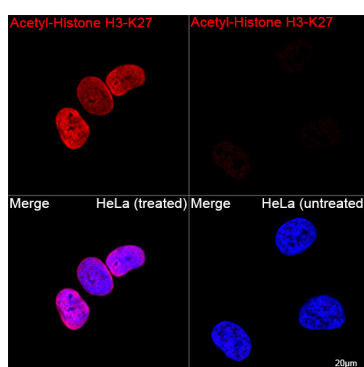
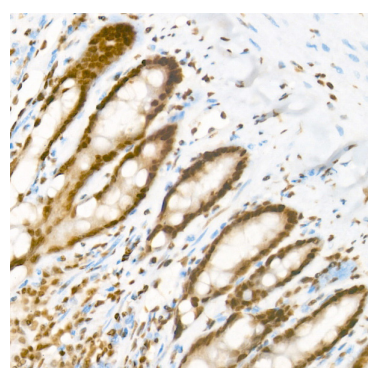
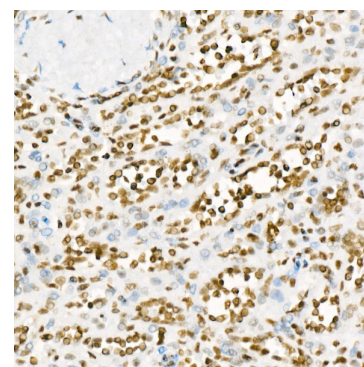
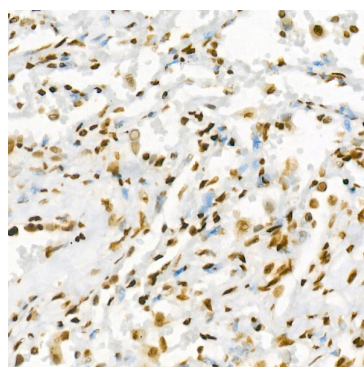
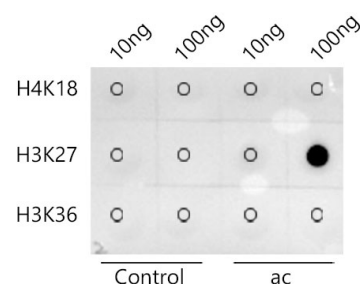
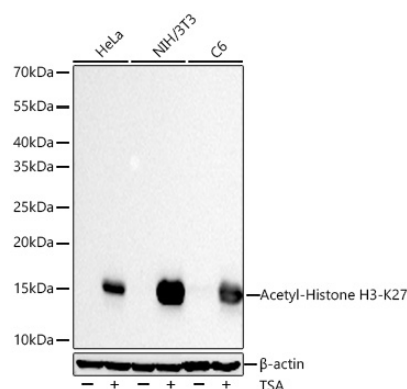
Affinity purification

Storage

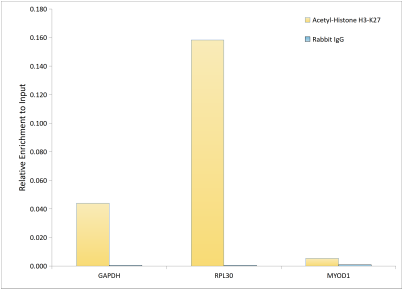
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

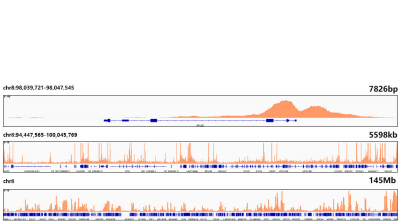
Validation Data



Validation Data



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Acetyl-Histone H3-K27 antibody (A22264) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



Chromatin immunoprecipitations were performed with cross-linked chromatin from HeLa cells and Acetyl-Histone H3-K27 Rabbit mAb (A22264). The ChIP sequencing results indicate the enrichment pattern of Acetyl-Histone H3-K27 in selected genomic region and representative gene loci (RPL30), as shown in figure.