# Histone H3K27ac (Acetyl Lys27) antibody - ChIP grade

## Cat. No. GTX60815

| | |
|---|---|
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Applications** | WB, ICC/IF, Dot, ELISA, ChIP assay, ChIP-seq |
| **Reactivity** | Human, Mouse, Rat, Arabidopsis thaliana |

References ( 4 )
Package
50 µg

## Applications

**Application Note**

*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|---|---|
| WB | 1:1,000 |
| ICC/IF | 1:500 |
| Dot | 1:20,000 |
| ELISA | 1:500 |
| ChIP assay | 0.5-5 µg |
| ChIP-seq | Assay dependent |

Not tested in other applications.

## Properties

| | |
|---|---|
| **Form** | Liquid |
| **Buffer** | PBS |
| **Preservative** | 0.05% Sodium azide, 0.05% ProClin 300 |
| **Storage** | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles. |
| **Concentration** | 2.8 mg/ml (Please refer to the vial label for the specific concentration.) |
| **Immunogen** | The region of histone H3 containing the acetylated lysine 27 (H3K27ac), using a KLH-conjugated synthetic peptide. |
| **Purification** | Purified by affinity chromatography |
| **Conjugation** | Unconjugated |

For full product information, images and publications, please visit our website.



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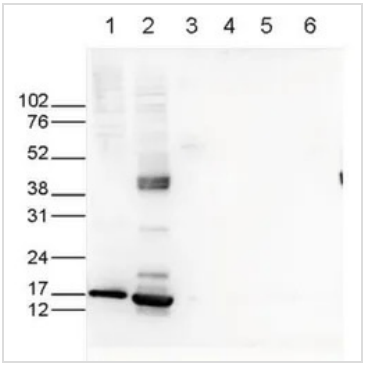
**Note**

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

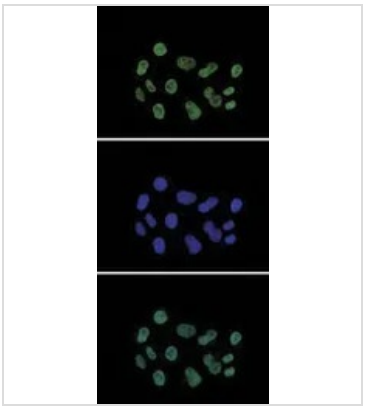
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

## DATA IMAGES



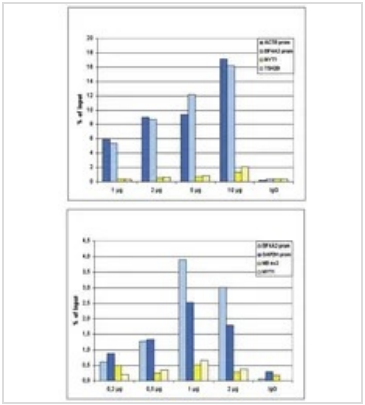

### GTX60815 WB Image

WB analysis of whole cell (25 µg, lane 1) and histone extracts (15 µg, lane 2) from HeLa cells, and on 1 µg of recombinant histone H2A, H2B, H3 and H4 (lane 3, 4, 5 and 6, respectively) using GTX60815 Histone H3K27ac (Acetyl Lys27) antibody - ChIP grade.
Dilution : 1:1,000



### GTX60815 ICC/IF Image

ICC/IF analysis of 4% paraformaldehyde fixed HeLa cells using GTX60815 Histone H3K27ac (Acetyl Lys27) antibody - ChIP grade.
Green : Primary antibody
Blue : DAPI
Dilution : 1:500



### GTX60815 ChIP assay Image

ChIP analysis of sheared chromatin from $10^6$ HeLa cells using GTX60815 Histone H3K27ac (Acetyl Lys27) antibody - ChIP grade. A titration consisting of 0.2, 0.5, 1 and 2 µg of antibody per ChIP experiment was analyzed. IgG (1 µg/IP) was used as a negative IP control. Quantitative PCR was performed with primers for the promoters of the active GAPDH and EIF4A2 genes, used as positive controls, and for the coding regions of the inactive MB and MYT1 genes, used as negative controls. This figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).



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