# Histone H3R17me2K18ac (Asymmetric Di-methyl Arg17/Acetyl Lys18) antibody - ChIP grade

## Cat. No. GTX60825

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

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 | 1:1,000 |
| ChIP assay | 1-5 µg |

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** | 0.94 mg/ml (Please refer to the vial label for the specific concentration.) |
| **Immunogen** | The region of histone H3 containing the asymmetrically dimethylated R17 and the acetylated lysine 18 (H3R17me2(asym)K18ac), using a KLH-conjugated synthetic peptide. |
| **Purification** | Purified by affinity chromatography |
| **Conjugation** | Unconjugated |

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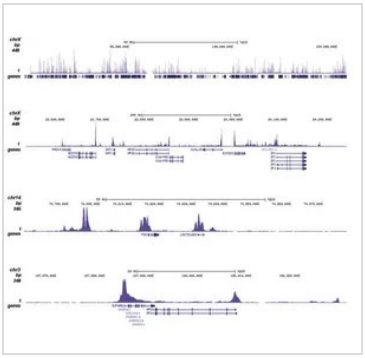
**Note**

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

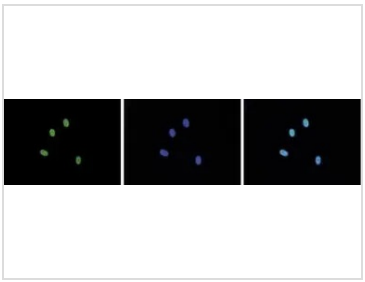
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

## DATA IMAGES



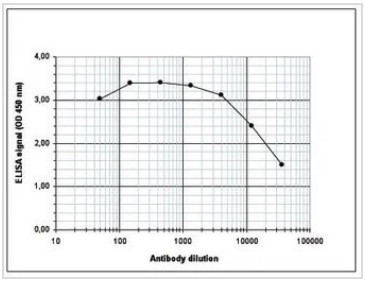
### GTX60825 ChIP assay Image

ChIP analysis of HeLa cells using GTX60825 Histone H3R17me2K18ac (Asymmetric Di-methyl Arg17/Acetyl Lys18) antibody - ChIP grade. The IP'd DNA was subsequently analysed on an Illumina Genome Analyzer. Library preparation, cluster generation and sequencing were performed according to the manufacturer's instructions. The 36 bp tags were aligned to the human genome using the ELAND algorithm. Figure 2 shows the peak distribution along the complete human X-chromosome and a zoomin to a 500 kb region (figure 2A and B), and in two regions on chromosome 14 and 3 surrounding the c-fos and EIF4A2 positive control genes (figure 2C and D, respectively).
Antibody amount : 1µg



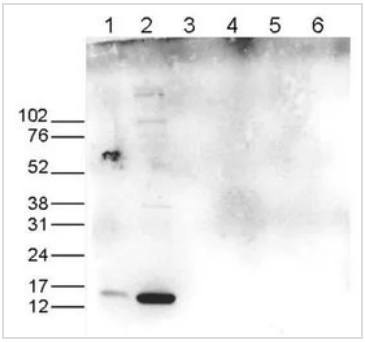
### GTX60825 ICC/IF Image

ICC/IF analysis of 4% paraformaldehyde fixed NIH3T3 cells using GTX60825 Histone H3R17me2K18ac (Asymmetric Di-methyl Arg17/Acetyl Lys18) antibody - ChIP grade.
Green : Primary antibody
Blue : DAPI
Dilution : 1:500




### GTX60825 ELISA Image

ELISA analysis of peptide containing the histone modification of interest using GTX60825 Histone H3R17me2K18ac (Asymmetric Di-methyl Arg17/Acetyl Lys18) antibody - ChIP grade.




### GTX60825 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 GTX60825 Histone H3R17me2K18ac (Asymmetric Di-methyl Arg17/Acetyl Lys18) antibody - ChIP grade.
Dilution : 1:1,000

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