

Histone H2A.Z antibody - ChIP grade

Cat. No. GTX60812

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

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 |
| ELISA | 1:5,000 |
| ChIP assay | 0.5-5 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 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Concentration | 1.55 mg/ml (Please refer to the vial label for the specific concentration.) |
| Immunogen | The antibody was raised in rabbit against histone variant H2A. |
| Purification | Purified by affinity chromatography |
| Conjugation | Unconjugated |

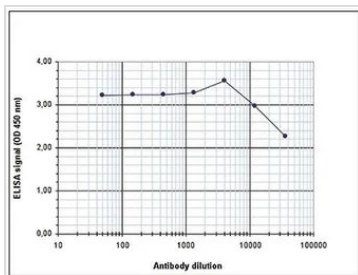
Note

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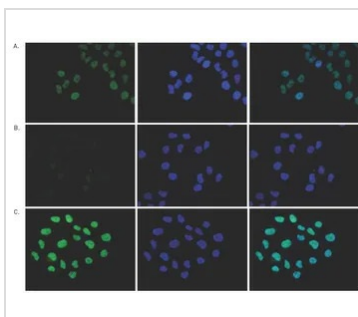
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DATA IMAGES

GTx60812 ELISA Image

ELISA analysis of peptide containing the histone modification of interest using GTx60812 Histone H2A.Z antibody - ChIP grade.

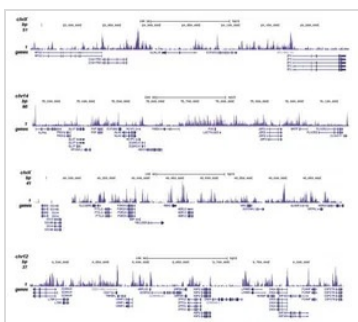

GTx60812 ICC/IF Image

ICC/IF analysis of 4% paraformaldehyde fixed HeLa cells using GTx60812 Histone H2A.Z antibody - ChIP grade. Staining of the cells with the H2A.Z antibody after incubation of the antibody with 10 ng/ μ l of the immunogen peptide (figure 5B) and with a peptide containing a sequence from the central part of the H2A.Z protein (figure 5C).

Green : Primary antibody

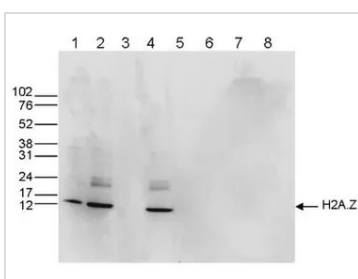
Blue : DAPI

Dilution : 1:500


GTx60812 ChIP assay Image

ChIP analysis of sheared chromatin from 1×10^5 K562 cells using GTx60812 Histone H2A.Z antibody - ChIP grade. The IP'd DNA was subsequently analysed with 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 (hg19) using the ELAND algorithm. Figure 2 shows the peak distribution in four genomic regions including the regions surrounding the EIF2S3 and c-fos positive control genes on chromosome X and 14, respectively (figure 2A and B).

Antibody amount : 0.5 μ g


GTx60812 WB Image

WB analysis of whole cell (25 μ g, lane 1) and histone extracts (15 μ g, lane 2) from HeLa cells, and on 1 μ g of recombinant histone H2A, H2B, H3 and H4 (lane 5, 6, 7 and 8, respectively) using GTx60812 Histone H2A.Z antibody - ChIP grade.

Dilution : 1:1,000



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