

## 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

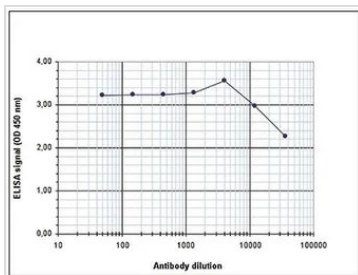
## Note

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

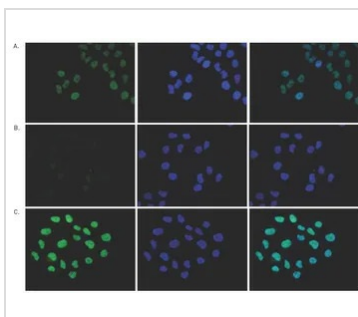
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**DATA IMAGES**

**GTx60812 ELISA Image**

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

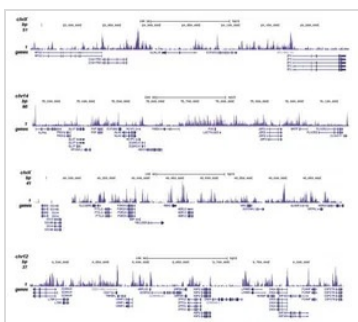

**GTx60812 ICC/IF Image**

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/ $\mu$ 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

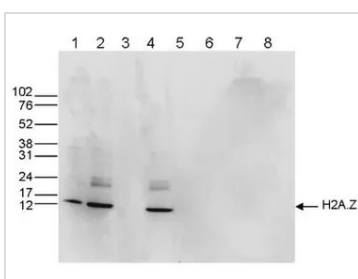
Blue : DAPI

Dilution : 1:500


**GTx60812 ChIP assay Image**

ChIP analysis of sheared chromatin from  $1 \times 10^5$  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 $\mu$ g


**GTx60812 WB Image**

WB analysis of whole cell (25  $\mu$ g, lane 1) and histone extracts (15  $\mu$ g, lane 2) from HeLa cells, and on 1  $\mu$ 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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