

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

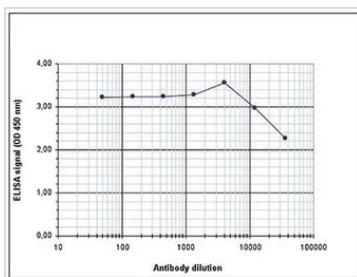
Form	Liquid
Buffer	PBS
Preservative	0.05% Sodium azide, 0.05% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
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
	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.
Note	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.



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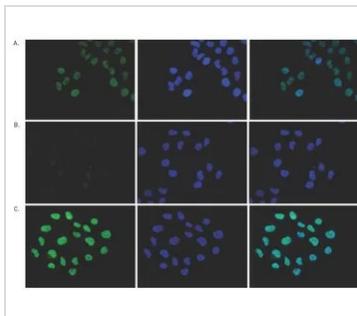
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DATA IMAGES



GTX60812 ELISA Image

ELISA analysis of peptide containing the histone modification of interest using GTX60812 Histone H2A.Z antibody - ChIP grade.



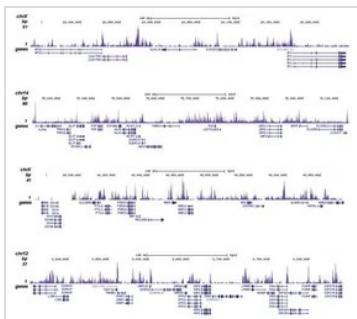
GTX60812 ICC/IF Image

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/μl 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

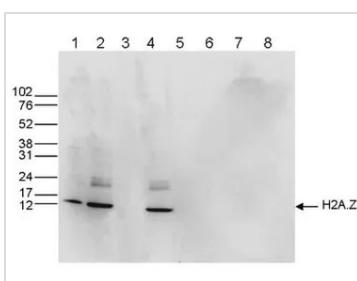
Dilution : 1:500



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 : 0.5μg



GTX60812 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 5, 6, 7 and 8, respectively) using GTX60812 Histone H2A.Z antibody - ChIP grade.

Dilution : 1:1,000



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