Histone H4K5K8K12ac (acetyl Lys5/Lys8/Lys12) antibody - ChIP grade

Cat. No. GTX60337

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

References (1)
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	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 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	0.76 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	The region of histone H4 containing the acetylated lysines 5, 8 and 12 (H4K5,8,12ac), using a KLH-conjugated synthetic peptide.
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. 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.

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

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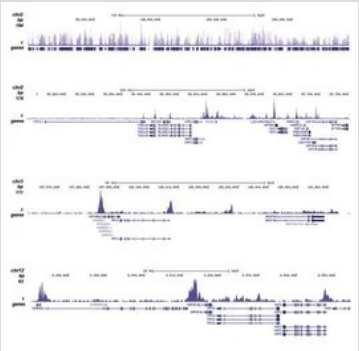
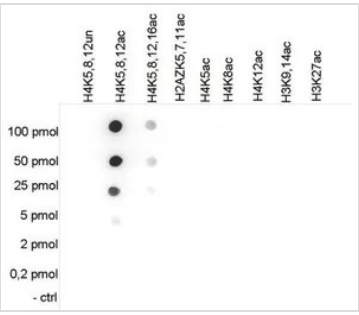
DATA IMAGES



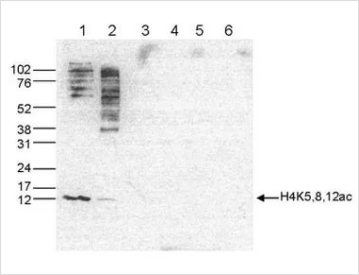
GTX60337 ChIP assay Image

ChIP analysis of sheared chromatin from 1x10^5 K562 cells using GTX60337 Histone H4K5K8K12ac (acetyl Lys5/Lys8/Lys12) 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 signal distribution along the complete length of chromosome 2 (figure 2A) and a zoomin to a 600 kb region (figure 2B). Figure 2C and D show the enrichment in two genomic regions on chromosome 3 and 12, respectively, containing EIF4A2 and GAPDH positive controls.
Antibody amount : 0.5µg



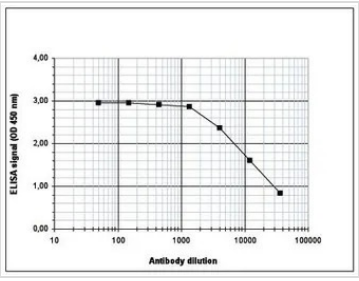
GTX60337 Dot Image

Dot blot analysis of 0.2 - 100 pmol of the peptides containing other histone modifications and the unmodified H4 using GTX60337 Histone H4K5K8K12ac (acetyl Lys5/Lys8/Lys12) antibody - ChIP grade.
Dilution : 1:20,000



GTX60337 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 GTX60337 Histone H4K5K8K12ac (acetyl Lys5/Lys8/Lys12) antibody - ChIP grade.
Dilution : 1:1,000



GTX60337 ELISA Image

ELISA analysis of peptide containing the histone modification of interest using GTX60337 Histone H4K5K8K12ac (acetyl Lys5/Lys8/Lys12) antibody - ChIP grade.

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