

Histone H4K5K8K12K16ac (acetyl Lys5/Lys8/Lys12/Lys16) antibody - ChIP grade

Cat. No. GTX60334

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	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
ICC/IF	1:500
Dot	1:20,000
ELISA	1:1,000
ChIP assay	1-5 µg

Not tested in other applications.

Properties

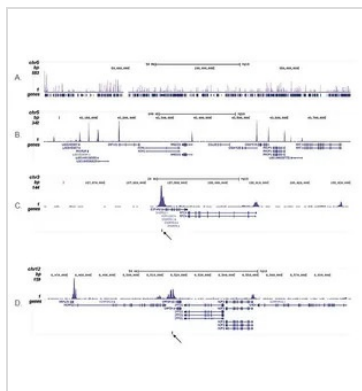
Form	Liquid
Buffer	PBS
Preservative	0.05% Sodium azide, 0.05% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
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, 12 and 16 (H4K5,8,12,16ac), 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.

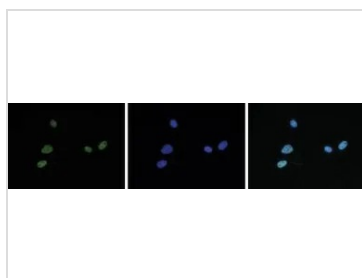
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DATA IMAGES

GTX60334 ChIP assay Image

ChIP analysis of sheared chromatin from 10^6 HeLa cells using GTX60334 Histone H4K5K8K12K16ac (acetyl Lys5/Lys8/Lys12/Lys16) 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 5 (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. The position of the amplicon used for validating the QPCR results is shown with an arrow

Antibody amount : $2\mu\text{g}$

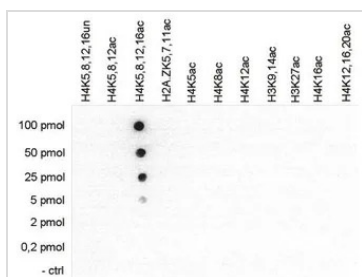

GTX60334 ICC/IF Image

ICC/IF analysis of 4% paraformaldehyde fixed NIH3T3 cells using GTX60334 Histone H4K5K8K12K16ac (acetyl Lys5/Lys8/Lys12/Lys16) antibody - ChIP grade.

Green : Primary antibody

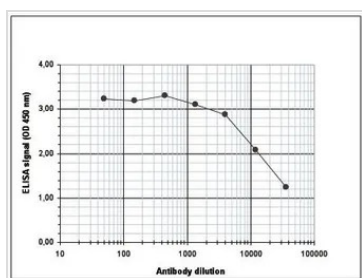
Blue : DAPI

Dilution : 1:500


GTX60334 Dot Image

Dot blot analysis of 0.2 - 100 pmol of the peptides containing other histone modifications and the unmodified H4 using GTX60334 Histone H4K5K8K12K16ac (acetyl Lys5/Lys8/Lys12/Lys16) antibody - ChIP grade.

Dilution : 1:20,000


GTX60334 ELISA Image

ELISA analysis of peptide containing the histone modification of interest using GTX60334 Histone H4K5K8K12K16ac (acetyl Lys5/Lys8/Lys12/Lys16) antibody - ChIP grade.



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