Histone H3K18ac (Acetyl Lys18) antibody - ChIP grade

Cat. No. GTX60814

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, 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
WB	1:500
ICC/IF	1:200
Dot	1:5,000
ELISA	1:100
ChIP assay	0.5-5 µg

Not tested in other applications.

Properties

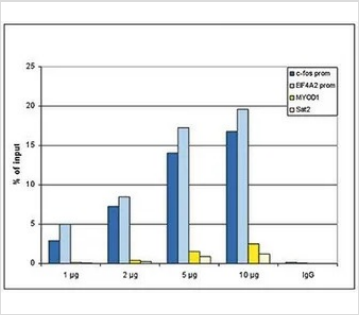
Form	Liquid
Buffer	PBS
Preservative	0.05% Sodium azide, 0.05% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	0.81 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	The region of histone H3 containing the acetylated lysine 18 (H3K18ac), 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.

GeneTex, Inc. (North America)
1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

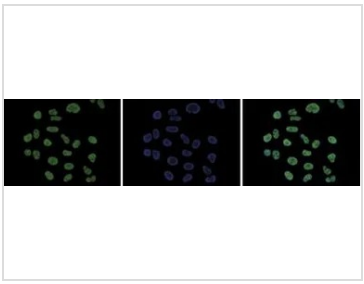
GeneTex International Corporation (Global)
886-3-6208988 886-3-6208989 infoasia@genetex.com

DATA IMAGES



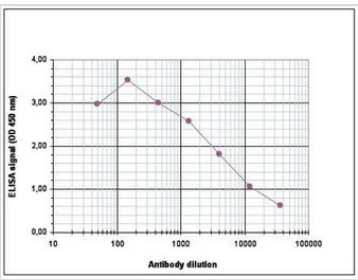
GTX60814 ChIP assay Image

ChIP analysis of sheared chromatin from 10^6 HeLa cells treated with TSA using GTX60814 Histone H3K18ac (Acetyl Lys18) antibody - ChIP grade. A titration consisting of 1, 2, 5 and 10 µg of antibody per ChIP experiment was analyzed. IgG (2 µg/IP) was used as a negative IP control. Quantitative PCR was performed with primers for the promoters of the active EIF4A2 and c-fos genes, used as positive controls, and for the inactive MYOD1 gene and the Sat2 satellite repeat, used as negative controls. This figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).



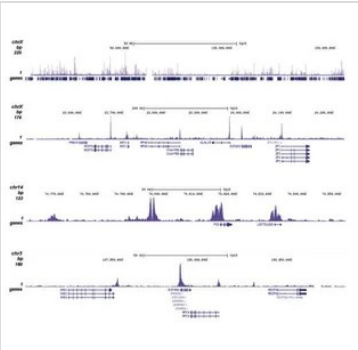
GTX60814 ICC/IF Image

ICC/IF analysis of 4% paraformaldehyde fixed HeLa cells using GTX60814 Histone H3K18ac (Acetyl Lys18) antibody - ChIP grade.
Green : Primary antibody
Blue : DAPI
Dilution : 1:200



GTX60814 ELISA Image

ELISA analysis of peptide containing the histone modification of interest using GTX60814 Histone H3K18ac (Acetyl Lys18) antibody - ChIP grade.



GTX60814 ChIP assay Image

ChIP analysis of HeLa cells treated with TSA using GTX60814 Histone H3K18ac (Acetyl Lys18) 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 peak distribution along the complete human X-chromosome and a zoomin to a 600 kb region (figure 2A and B), and in two regions on chromosome 14 and 3 surrounding the c-fos and EIF4A2 positive control genes (figure 2C and D, respectively).
Antibody amount : 1µg

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