Histone H3S10ph (phospho Ser10) antibody - ChIP grade

Cat. No. GTX60827

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

Package
50 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500
ICC/IF	1:200
IP	5 µl
Dot	1:20,000
ELISA	1:1,000 - 1:5,000
ChIP assay	1-10 µl

Not tested in other applications.

Properties

Form	Liquid
Buffer	Serum
Preservative	0.05% Sodium azide
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.
Immunogen	Histone H3 containing the phosphorylated serine 10 (H3S10p), using a KLH-conjugated synthetic peptide.
Purification	Unpurified
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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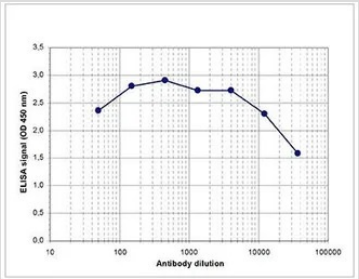
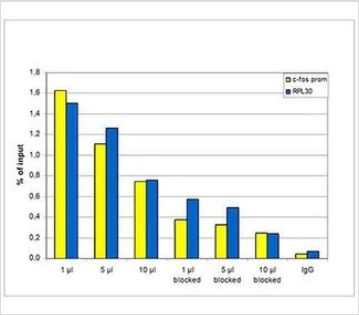
DATA IMAGES



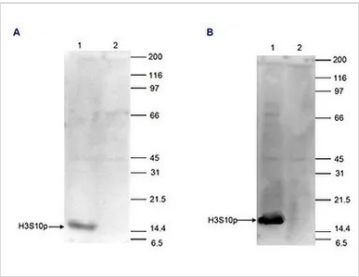
GTX60827 ELISA Image

ELISA analysis of peptide containing the histone modification of interest using GTX60827 Histone H3S10ph (phospho Ser10) antibody - ChIP grade.



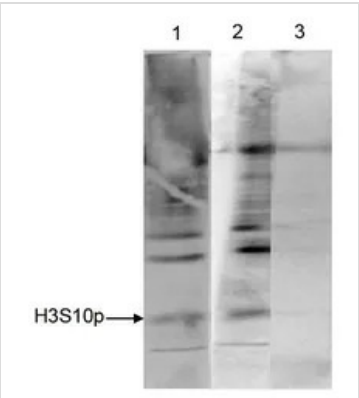
GTX60827 ChIP assay Image

ChIP analysis of sheared chromatin from 10^4 HeLa cells treated with colcemid using GTX60827 Histone H3S10ph (phospho Ser10) antibody - ChIP grade. A titration of the antibody consisting of 1, 5, and 10 µl per ChIP experiment was analysed. Additionally, ChIP was performed after incubation of the antibody with 5 nmol blocking peptide for 1 hour at room temperature. IgG (5 µg/IP) was used as negative IP control. QPCR was performed with primers for the promoter of the active genes c-fos and RPL30. This figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).



GTX60827 WB Image

WB analysis of 15 µg of histone extracts of HeLa cells treated with TSA (figure 4A) or with colcemid (figure 4B) using GTX60827 Histone H3S10ph (phospho Ser10) antibody - ChIP grade.
Dilution : 1:500



GTX60827 IP Image

IP analysis of HeLa cells were treated with colcemid (to block the cell cycle in metaphase) using GTX60827 Histone H3S10ph (phospho Ser10) antibody - ChIP grade.
IP reaction : 5 µl antibody / 1x10^4 cells
Lane 1 : Primary antibody
Lane 2 : Input
Lane 3 : No antibody control
Dilution : 1:500

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