



MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis

Catalog No. CE-036A

Anti- Histone H3 T32ph [Clone : 6C7G12]

BACKGROUND

Post-translation modifications of histones modulate the accessibility and transcriptional competence of specific chromatin regions within the eukaryotic genome. Phosphorylation of histone H3 is unique in the sense that it associates on one hand with open chromatin during gene activation and marks on the other hand highly condensed chromatin during mitosis.

Product type	Primary antibodies
Immunogen	Synthetic peptide corresponding to N-terminus region Thr32ph (aa 21-39) of human Histone H3, ATKAARKSAPS(phT)GGVKKPH
Raised in	Rat
Myeloma	SP2
Clone number	6C7G12
Isotype	IgG2a, κ
Host	-
Source	Culture supernatant
Purification	Ion-exchange chromatography
Form	Liquid
Storage buffer	PBS containing 50% Glycerol, 0.05% NaN ₃ as a preservative
Concentration	1 mg / ml
Volume	100 ul
Label	Unlabeled
Specificity	Histone H3 T32ph Epitope : phosphorylated Thr32 of Histone H3
Cross reactivity	Human, Monkey, Mouse, Rat, Hamster Other species have not been tested.
Storage	Store below -20°C (below -70°C for prolonged storage) Aliquot to avoid cycles of freeze/thaw.
Other	Data Link : UniProtKB/Swiss-Prot P68431 * recommended positive controls is mammalian cell

Application notes	• Western blotting: 1/1000 – 1/5000
Recommended dilutions	• Immunocytochemistry: 1/100 -1/500

Other applications have not been tested.
Optimal dilutions/concentrations should be determined by the end user.

References	1) Strahl and Allis, Nature. 2000 Jan 6;403(6765):41-5. PMID: 10638745
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ANTIBODY CHARACTERIZATION

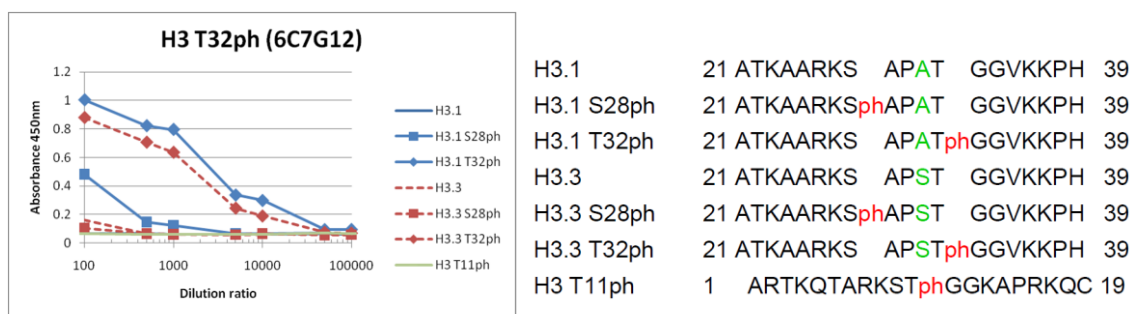


Fig.1 The composition of Histone H3 peptides and the reactivity of Histone H3 T32ph antibody, 6C7G12.

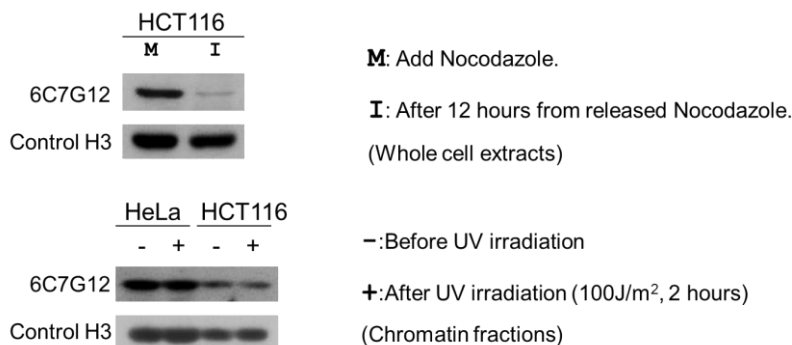


Fig.2 Western blot analysis of the treated-cell extracts using Histone H3 T32ph antibody, 6C7G12

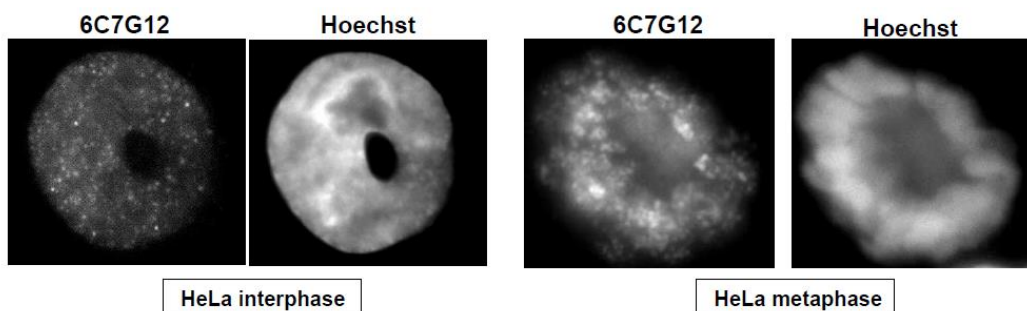


Fig.3 Immunocytochemical analysis of HeLa Cell using Histone H3 T32ph antibody, 6C7G12.

RELATED PRODUCTS:

Product Name	Clone	Application	Maker	Cat#
Anti Histone H3.1/3.2 (Variant) Monoclonal Antibody	6G3C7	WB	CAC	CE-039A
Anti Histone H3.1/3.2 (Variant) Monoclonal Antibody	1D4F2	ChIP/ WB/ IC/ IHC/ IP	CAC	CE-039B
Anti Histone H3.3 (Variant) Monoclonal Antibody	6C4A3	WB	CAC	CE-040A
Anti Histone H3.3 (Variant) Monoclonal Antibody	4H2D7	ChIP/ WB/ IC/ IHC/ IP	CAC	CE-040B
Anti Histone H3 S10ph Monoclonal Antibody	6G8B7	WB/ IC	CAC	CE-034A
Anti Histone H3 T11ph Monoclonal Antibody	6G12C5	WB/ IC	CAC	CE-035A
Anti Histone H3 T32ph Monoclonal Antibody	6C7G12	WB/ IC	CAC	CE-036A
Anti Histone H3 K9Ac Monoclonal Antibody	2G1F9	WB/ IC	CAC	CE-037A
Anti RNA polymerase 2, CTD Ser2ph Monoclonal Antibody	3E7C7	ChIP/ WB/ IC	CAC	CE-030A
Anti RNA polymerase 2, CTD Ser5ph Monoclonal Antibody	1H4B6	ChIP/ WB/ IC	CAC	CE-031A

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