Monoclonal Antibody
Catalog No. CEC-002

For research use only.
Not for use in diagnostic procedures.

Anti-Histone H3 T11ph antibody

Clone	Cross reactivity	Application notes	Host	Isotype	Storage
6G12C5	Hu, Mk, Ms, Rat, Hms	WB, ICC, ChIP	Rat	IgG2a, κ	-20°C

BACKGROUND : Post-translation modifications of histones modulate the accessibility and transcriptional competence of specific chromatin regions within the eukaryotic genome. Phosphorylation of histone H3 Threonine 11 (H3-T11ph) occurs throughout the cell cycle and is Chk1 dependent. It has reported that DNA damage rapidly reduces H3-T11 phosphorylation.

Immunogen Synthetic peptide corresponding to N-terminal Thr11ph (aa 1-19) of human Histone H3, ARTKQTARKS(phT)GGKAPRKQ

Host Rat
Isotype IgG2a, κ
Cross reactivity Human, Monkey, Mouse, Rat, Hamster

Specificity Histone H3 T11ph
Application notes Recommended use
ELISA, WB, ICC, ChIP Not tested for other applications.
Recommended dilutions
Western blotting, 1/500
Immunocytochemistry, 1/500

Optional dilutions/concentrations should be determined by the end user.

Source Culture Supernatant
Purification Ion-exchange chromatography
Form Liquid
Presentation Purified monoclonal antibody in PBS, 50% Glycerol, 0.05%w/v ProClin300
Concentration 1 mg/mL
Volume 100 μL
Storage Store below -20°C
(below -70°C for prolonged storage)
Aliquot to avoid cycles of freeze/thaw.

References 1) Shimada et al., (2008) Cell 132, 221–232.
2) Monoclon Antib Immunodiagn Immunother. 2013, 32, 119-24.
This antibody is used in ref.2.

Data

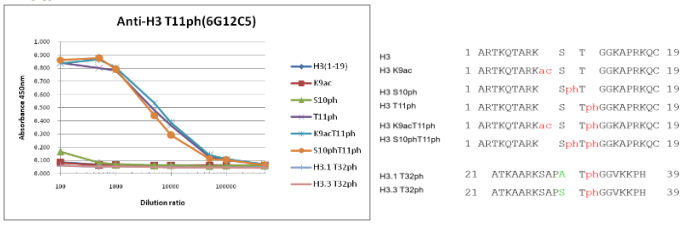

Fig.1 ELISA analysis
- Histone H3 T11ph antibody (6G12C5)

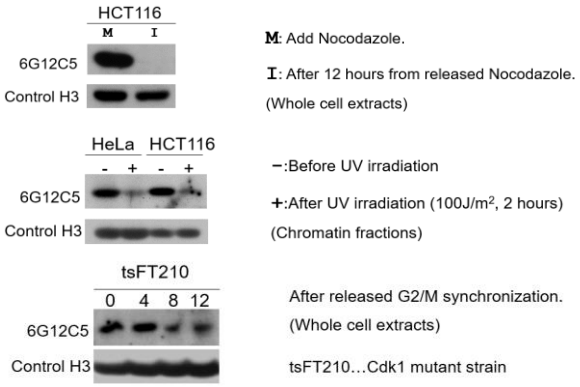

Fig.2 Western blot
- Histone H3 T11ph antibody (6G12C5)
the treated-cell extracts

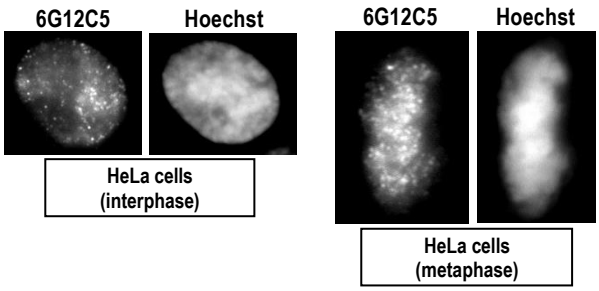

Fig.3 Immunocytochemistry/Immunofluorescence
- Histone H3 T11ph antibody (6G12C5)
HeLa cells (left : interphase, right : metaphase)

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