Monoclonal Antibody
Catalog No. CEC-013

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

Anti-Histone H3 pan antibody

Clone	Cross reactivity	Application notes	Host	Isotype	Storage
1C8B2	Mammals	WB, ICC	Rat	IgG2b, κ	-20°C

BACKGROUND : Nucleosomes are composed of four different histone proteins, designated H3, H4, H2A, and H2B. It has been known that post-translation modifications of histone H3 modulate the accessibility and transcriptional competence of specific chromatin regions within the eukaryotic genome.

Immunogen Synthetic peptide corresponding to N-terminus region (aa 1-19) of Histone H3, CARTKQTARKSTGGKAPRKQ

Host Rat
Isotype IgG2b, κ
Cross reactivity Mammals

Specificity Histone H3 pan
Application notes Recommended use
ELISA, WB, ICC Not tested for other applications.
Recommended dilutions
Western blotting, 1/1000 to 1/5000
Immunocytochemistry, 1/100 to 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) Yoshimi et al., (2013) Monoclon Antib Immunodiagn Immunother, 32, 119-124
This antibody is used in ref.1.

Data

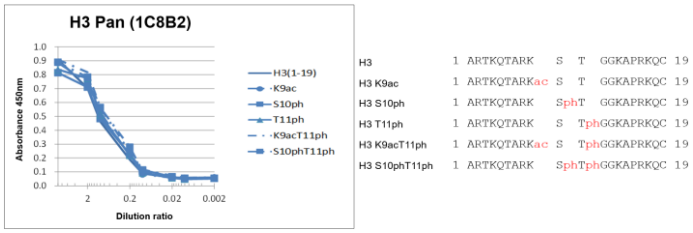

Fig.1 ELISA analysis
- Histone H3 pan antibody (1C8B2)

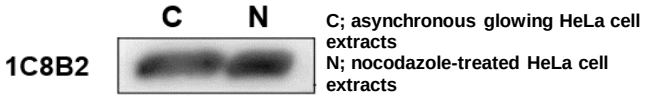

Fig.2 Western blot
- Histone H3 pan antibody (1C8B2)
the treated-cell extracts

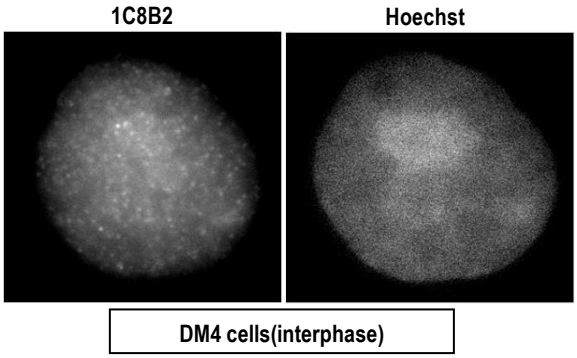

Fig.3 Immunocytochemistry/Immunofluorescence
- Histone H3 pan antibody (1C8B2)
DM4 cells

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