

Anti-Histone H3.3 antibody (Clone No.6C4A3)

Clone	Cross reactivity	Application notes	Host	Isotype	Storage
6C4A3	Hu, Mk, Ms, Rat, Hms	WB	Rat	IgG2a, κ	-20°C

BACKGROUND : Nucleosomes are composed of four different histone proteins, designated H3, H4, H2A, and H2B. Histone H3 has two main variants, H3.1 and H3.3, which show different genomic localization patterns in eukaryotes. Histone H3.3 serves as the replacement variant for the DNA-synthesis-independent deposition pathway.

Immunogen Synthetic peptide corresponding to core region (aa 79-97) of human H3.3, KTDLRFQSAAI~~G~~ALQEASE

Host Rat

Isotype IgG2a, κ

Cross reactivity Human, Monkey, Mouse, Rat, Hamster

Specificity Histone H3.3

Application notes Recommended use

ELISA, WB

Recommended dilutions

Western blotting, 1/10000

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

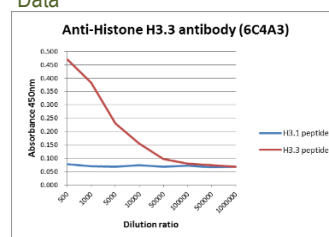
Concentration 1 mg/mL

Volume 100 μ L

Storage Store below -20°C (below -70°C for prolonged storage)
Aliquot to avoid cycles of freeze/thaw.

References 1) Hake and Allis, (2006) PNAS, 103, 6428-6435.
2) Harada et al., (2012) EMBO J. doi: 10.1038/emboj.2012.136.
This antibody is used in ref.2.

Data



H3.1 peptide 79 KTDLRFQSSAV~~M~~ALQEASEA 97
H3.3 peptide 79 KTDLRFQSA~~A~~I~~G~~ALQEASEA 97

Fig.1 ELISA analysis
- Histone H3.3 antibody (6C4A3)

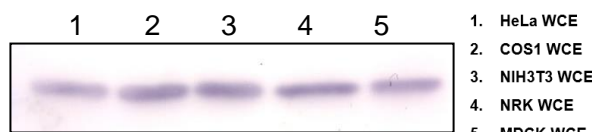
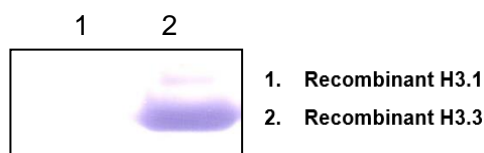


Fig.2 Western blot
- Histone H3.3 antibody (6C4A3)
recombinant protein and the mammalian cell total extracts