

Anti-Histone H3 S28ph antibody

Clone	Cross reactivity	Application notes	Host	Isotype	Storage
5F9A9	Mammals	WB, ICC, ChIP	Mouse	IgG2b, 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 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.

Immunogen Synthetic peptide corresponding to N-terminus region Ser28ph (aa 21-39) of human Histone H3.1, ATKAARK(phS)APATGGVKKPH

Host Mouse
Isotype IgG2b, κ
Cross reactivity Mammals

Specificity Histone H3 S28ph

Application notes Recommended use
ELISA, WB, ICC, ChIP
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

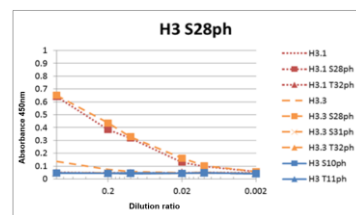
Concentration 1 mg/mL

Volume 100 μ L

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



H3.1	21	ATKAARKS	APAT	GGVKKPH	39
H3.1 S28ph	21	ATKAARKS	phAPAT	GGVKKPH	39
H3.1 T32ph	21	ATKAARKS	APAT	phGGVKKPH	39
H3.3	21	ATKAARKS	APST	GGVKKPH	39
H3.3 S28ph	21	ATKAARKS	phAPST	GGVKKPH	39
H3.3 S31ph	24	AARKS	APST	phGGVKK	37
H3.3 T32ph	21	ATKAARKS	APST	phGGVKKPH	39
H3 S10ph	1	ARTKQTARKS	phTGGKAPRKQ		19
H3 T11ph	1	ARTKQTARKST	phGGKAPRKQ		19

Fig.1 ELISA analysis
- Histone H3 S28ph antibody (5F9A9)

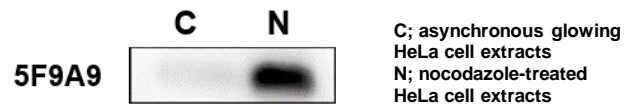


Fig.2 Western blot
- Histone H3 S28ph antibody (5F9A9)
the treated-cell extracts

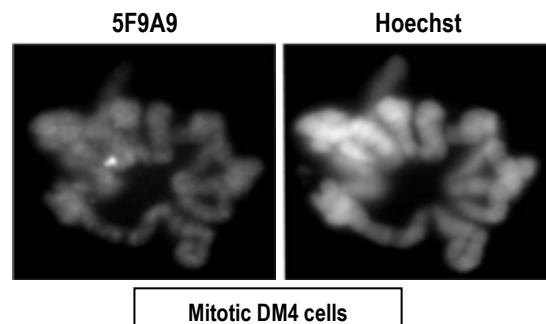


Fig.3 Immunocytochemistry/Immunofluorescence
- Histone H3 S28ph antibody (5F9A9)
DM4 cells