

Product Datasheet

Anti-Histone H3 (Acetyl-K9) Antibody (orb214780)

Description	Rabbit polyclonal antibody to HIST1H3A
Species/Host	Rabbit
Reactivity	Human, Mouse, Porcine, Rabbit, Rat, Zebrafish
Conjugation	Unconjugated
Tested Applications	IF, IH, WB
Immunogen	KLH-conjugated synthetic acetylated peptide corresponding to residues surrounding K9 of human Histone H3 protein. The exact sequence is proprietary.
Target	HIST1H3A; HIST1H3B; HIST1H3C; HIST1H3D; HIST1H3E; HIST1H3F; HIST1H3G; HIST1H3H; HIST1H3I; HIST1H3J; HIST2H3A; HIST2H3C; HIST2H3D; H3F3A; H3F3B
Preservatives	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Form/Appearance	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Clonality	Polyclonal
Source	Rabbit
Uniprot ID	P84228, Q71DI3, P84245, Q6LED0, P68433, P84243, P68431, P84244
Entrez	333932, 126961, 8358, 8351, 8355, 100361558, 3020, 319152, 8357, 8968, 8352, 8353, 8354, 15077, 3021, 8356, 291159, 8350, 653604, 15078

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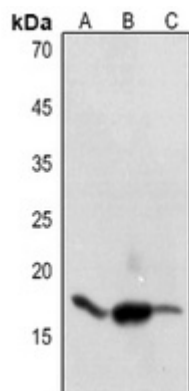
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Dilution Range

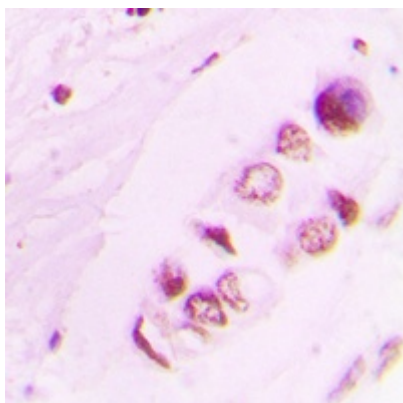
WB: 1-500-1-1000, IHC-P: 1-100-1-200, IF/ICC: 1-100-1-500

Expiration Date

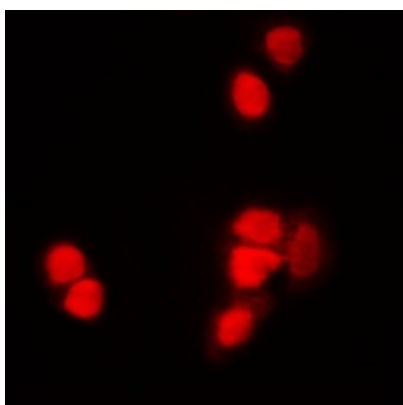
12 months from date of receipt.



Western blot analysis of Histone H3 (Acetyl-K9) expression in HeLa (A), HGC27 (B), mouse lung (C) whole cell lysates. (Predicted band size: 15 kD; Observed band size: 17 kD)



Immunohistochemical analysis of Histone H3 (Acetyl-K9) staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Histone H3 (Acetyl-K9) staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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