

Anti-Histone H3 (MonoMethyl-K18) Antibody

Catalog #	Source	Reactivity	Applications
CPA6318	Rabbit	H, M, R, B, C, P, Z	WB, IF/IC
Description	Rabbit polyclonal antibody to Histone H3 (MonoMethyl-K18)		
Immunogen	KLH-conjugated synthetic Mono-methylated peptide corresponding to residues surrounding K18 of human Histone H3 protein. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of Histone H3 protein only when Mono-methylated at K18.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IF/IC (1/50 - 1/200)		
Gene Symbol	HIST1H3A; HIST1H3; HIST1H3C; HIST1H3D; HIST1H3E; HIST1H3F; HIST1H3G; HIST1H3H; HIST1H3I; HIST1H3J; HIST2H3A; HIST2H3C; HIST2H3D; H3F3A; H3F3B; H3F3C		
Alternative Names	HIST1H3A; H3FA; HIST1H3B; H3FL; HIST1H3C; H3FC; HIST1H3D; H3FB; HIST1H3E; H3FD; HIST1H3F; H3FI; HIST1H3G; H3FH; HIST1H3H; H3FK; HIST1H3I; H3FF; HIST1H3J; H3FJ; Histone H3.1; Histone H3/a; Histone H3/b; Histone H3/c; Histone H3/d; Histone H3/f; Histone H3/		
Entrez Gene	8350, 8351, 8352, 8353, 8354, 8355, 8356, 8357, 8358, 8968, 126961, 333932, 653604, 3020, 3021, 440093 (Human)		
SwissProt	P68431, Q71DI3, P84243, Q6NXT2 (Human)		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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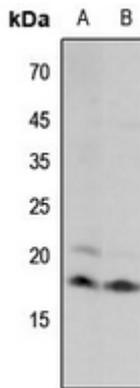
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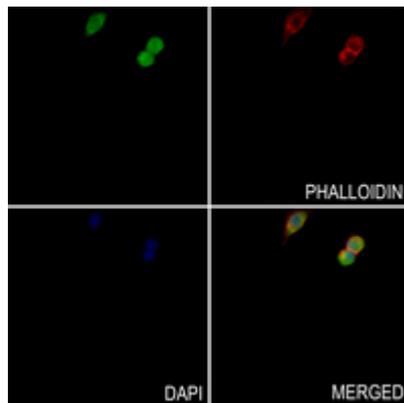
Product Data Sheet

Storage/Stability

Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.



Western blot analysis of Histone H3 (MonoMethyl-K18) expression in HEK293T (A), H446 (B) whole cell lysates. (Predicted band size: 15 kD; Observed band size: 17 kD)



Immunofluorescent analysis of Histone H3 (MonoMethyl-K18) staining in C6 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 an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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