

## Anti-Histone H4 (MonoMethyl-R19) Antibody

Catalog #	Source	Reactivity	Applications
CPA6322	Rabbit	H, M, R, B, C, P	WB, IH
<b>Description</b>	Rabbit polyclonal antibody to Histone H4 (MonoMethyl-R19)		
<b>Immunogen</b>	KLH-conjugated synthetic Mono-methylated peptide corresponding to residues surrounding R19 of human Histone H4 protein. The exact sequence is proprietary.		
<b>Purification</b>	The antibody was purified by immunogen affinity chromatography.		
<b>Specificity</b>	Recognizes endogenous levels of Histone H4 protein only when Mono-methylated at R19.		
<b>Clonality</b>	Polyclonal		
<b>Conjugation</b>			
<b>Form</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
<b>Dilution</b>	WB (1/500 - 1/1000), IH (1/50 - 1/200)		
<b>Gene Symbol</b>	HIST1H4A; HIST1H4B; HIST1H4C; HIST1H4D; HIST1H4E; HIST1H4F; HIST1H4H; HIST1H4I; HIST1H4J; HIST1H4K; HIST1H4L; HIST2H4A; HIST2H4B; HIST4H4		
<b>Alternative Names</b>	H4/A; H4FA; H4/I; H4FI; H4/G; H4FG; H4/B; H4FB; H4/J; H4FJ; H4/C; H4FC; H4/H; H4FH; H4/M; H4FM; H4/E; H4FE; H4/D; H4FD; H4/K; H4FK; H4/N; H4F2; H4FN; HIST2H4; H4/O; H4FO; Histone H4		
<b>Entrez Gene</b>	121504, 554313, 8294, 8359, 8360, 8361, 8362, 8363, 8364, 8365, 8366, 8367, 8368, 8370 (Human); 100041230, 102641229, 319155, 319156, 319157, 319158, 319159, 319160, 319161, 320332, 326619, 326620, 69386, 97122 (Mouse); 100360950, 100912290, 100912418, 10		
<b>SwissProt</b>	P62805 (Human); P62806 (Mouse); P62804 (Rat)		

**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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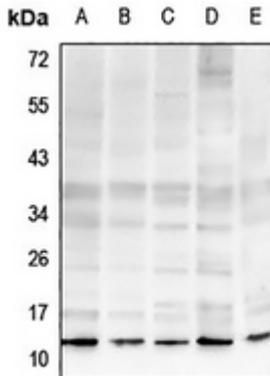
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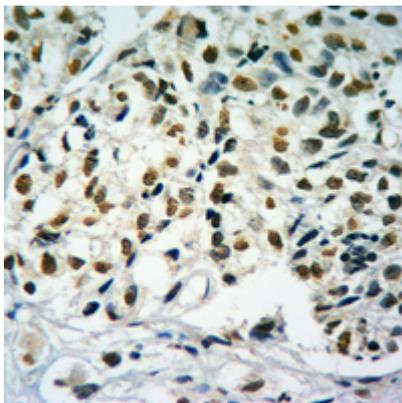
# Product Data Sheet

## 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 H4 (MonoMethyl-R19) expression in A375 (A), H446 (B), U2OS (C), mouse kidney (D), rat kidney (E) whole cell lysates. (Predicted band size: 11 kD; Observed band size: 14 kD)



Immunohistochemical analysis of Histone H4 (MonoMethyl-R19) staining in human breast 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.

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