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Anti-Histone H4 (DiMethyl-K20) Antibody

Rabbit polyclonal antibody to Histone H4 (DiMethyl-K20)
Catalog # AP61499

Product Information

Application	WB
Primary Accession	P62805
Other Accession	P62806
Reactivity	Human, Mouse, Rat, Pig, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11367

Additional Information

Gene ID	121504;554313;8294;8359;8360;8361;8362;8363;8364;8365;8366;8367;8368;8370
Other Names	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
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Histone H4 with a site at DiMethyl-K20. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

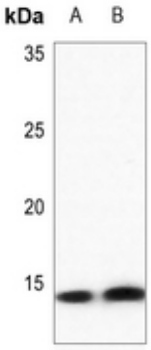
Name	H4C1
Synonyms	H4/A, H4FA, HIST1H4A
Function	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Nucleus {ECO:0000250|UniProtKB:P62806}. Chromosome. Note=Localized to

Cellular Location	the nucleus when acetylated in step 11 spermatids. {ECO:0000250|UniProtKB:P62806}

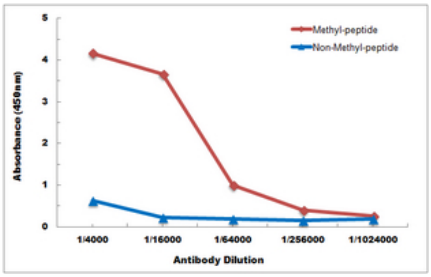
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Histone H4 with a site at DiMethyl-K20. The exact sequence is proprietary.

Images



Western blot analysis of Histone H4 (DiMethyl-K20) expression in mouse heart (A), rat kidney (B) whole cell lysates.



Direct ELISA antibody dose-response curve using Anti-Histone H4 (DiMethyl-K20) Antibody. Antigen (methyl-peptide and non-methyl-peptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.