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Anti-Histone H4 (MonoMethyl-K16) Antibody

Rabbit polyclonal antibody to Histone H4 (MonoMethyl-K16)
Catalog # AP61437

Specification

Anti-Histone H4 (MonoMethyl-K16) Antibody - Product Information

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

Anti-Histone H4 (MonoMethyl-K16) Antibody - 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
Recognizes endogenous levels of Histone H4 with a site at MonoMethyl-K16 protein.

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

Anti-Histone H4 (MonoMethyl-K16) Antibody - 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.

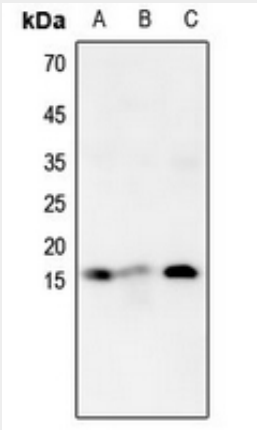
Cellular Location
Nucleus {ECO:0000250|UniProtKB:P62806}. Chromosome. Note=Localized to the nucleus when acetylated in step 11 spermatids. {ECO:0000250|UniProtKB:P62806}

Anti-Histone H4 (MonoMethyl-K16) Antibody - Protocols

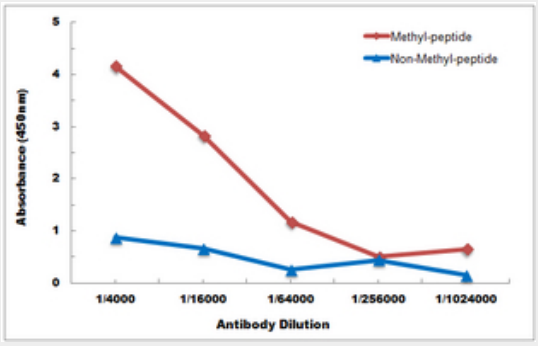
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Histone H4 (MonoMethyl-K16) Antibody - Images



Western blot analysis of Histone H4 (MonoMethyl-K16) expression in DLD (A), LOVO (B), U2OS (C) whole cell lysates.



Direct ELISA antibody dose-response curve using Anti-Histone H4 (MonoMethyl-K16) 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.

Anti-Histone H4 (MonoMethyl-K16) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human

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Histone H4 with a site at MonoMethyl-K16. The exact sequence is proprietary.