10320 Camino Santa Fe, Suite A
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Histone H4 (Acetyl Lys12) Polyclonal Antibody

Catalog # AP63210

Specification

Histone H4 (Acetyl Lys12) Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IF**
Primary Accession	P62805
Reactivity	**Human, Mouse, Rat, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**

Histone H4 (Acetyl Lys12) Polyclonal Antibody - Additional Information

Gene ID 121504;554313;8294;8359;8360;8361;8362;8363;8364;8365;8366;8367;8368;8370

Other Names
HIST1H4A; H4/A; H4FA; HIST1H4B; H4/I; H4FI; HIST1H4C; H4/G; H4FG; HIST1H4D; H4/B; H4FB; HIST1H4E; H4/J; H4FJ; HIST1H4F; H4/C; H4FC; HIST1H4H; H4/H; H4FH; HIST1H4I; H4/M; H4FM; HIST1H4J; H4/E; H4FE; HIST1H4K; H4/D; H4FD; HIST1H4L; H4/K; H4FK

Dilution
WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
IHC-P~~N/A
IF~~1:50~200

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

Histone H4 (Acetyl Lys12) Polyclonal 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}

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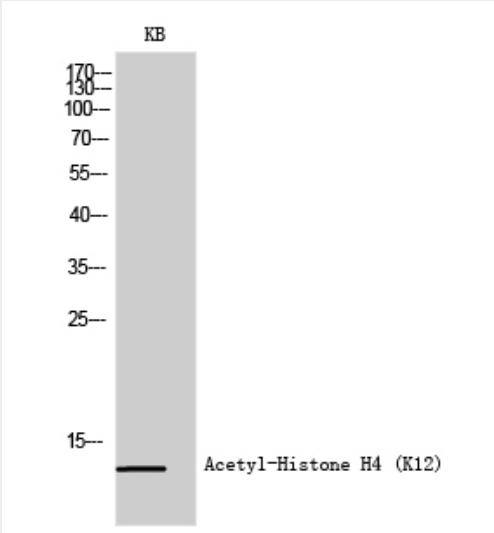
Histone H4 (Acetyl Lys12) Polyclonal Antibody - Protocols

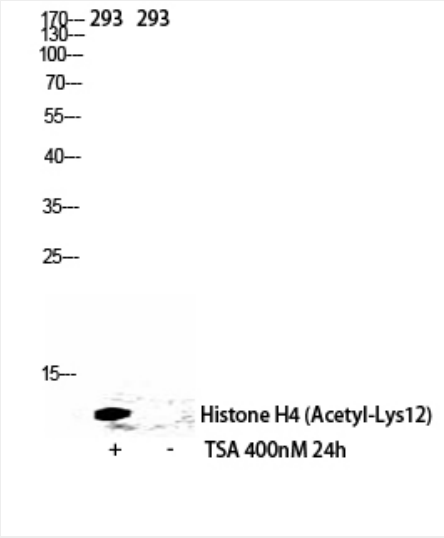
Provided below are standard protocols that you may find useful for product applications.

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

Histone H4 (Acetyl Lys12) Polyclonal Antibody - Images



Western Blot analysis of KB cells using Acetyl-Histone H4 (K12) Polyclonal Antibody diluted at 1□500. Secondary antibody was diluted at 1:20000



Western Blot analysis of 293 cells using Acetyl-Histone H4 (K12) Polyclonal Antibody diluted at 1□500. Secondary antibody was diluted at 1:20000

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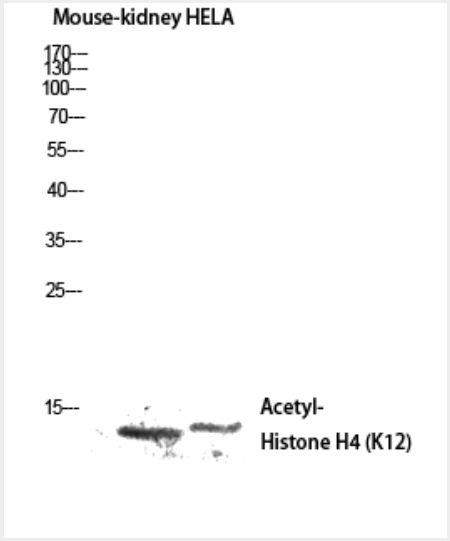

Western blot analysis of Mouse-kidney HELA lysis using Acetyl-Histone H4 (K12) antibody. Antibody was diluted at 1:500. Secondary antibody was diluted at 1:20000

Histone H4 (Acetyl Lys12) Polyclonal Antibody - Background

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.