MonoMethyl-Histone H4-R3 Rabbit pAb

Catalog NO.: A17905

Basic Information

Observed MW
Refer to figures

Calculated MW
11kDa

Category
Methylated Antibodies

Applications
IF/ICC, ELISA

Cross-Reactivity
Human, Mouse, Rat, Other (Wide Range Predicted)

Conjugation
Unconjugated

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.

Recommended Dilutions

IF/ICC	1:50 - 1:200

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
8359

Swiss Prot
P62805

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
H4C2; H4C3; H4C4; H4C5; H4C6; H4C8; H4C9; H4FA; H4-16; H4C11; H4C12; H4C13; H4C14; H4C15; H4C16; HIST1H4A; MonoMethyl-Histone H4-R3

Contact

Product Information

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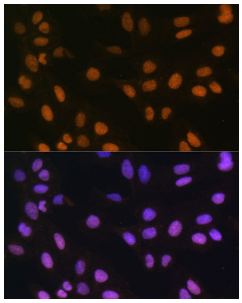
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



Immunofluorescence analysis of U-2 OS cells using MonoMethyl-Histone H4-R3 Rabbit pAb (A17905) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

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