

HIST2H4A(20Me3) monoclonal antibody

Catalog: MB22044

Host: Mouse

Reactivity: Human, Mouse, Rat

Background:

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

11.4kDa

Swiss-Prot:

P62805

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 FC:1/200 - 1/400

Storage&Stability:

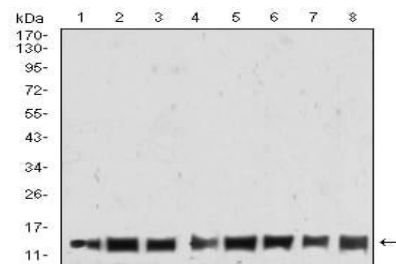
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

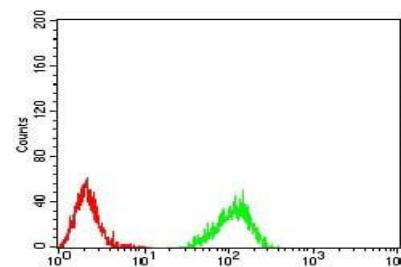
Isotype:

Mouse IgG1

DATA:



Western blot analysis using HIST2H4A(20Me3) mouse mAb against THP-1 (1), Jurkat (2), K562 (3), NIT/3T3 (4), PC-12 (5), Hela (6), MCF-7 (7), and A431 (8) cell lysate.



Flow cytometric analysis of Raji cells using HIST2H4A(20Me3) mouse mAb (green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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