
Product Name: HIST2H3C(27Ac) Mouse Monoclonal Antibody**Catalog #: AMM81577**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	15.4kDa

Antigen Information

Gene Name	HIST2H3C(27Ac)
Alternative Names	H3; H3.2; H3/M; H3F2; H3FM; H3FN
Gene ID	126961.0
SwissProt ID	Q71DI3
Immunogen	Synthesized peptide of human HIST2H3C (AA: ATKAARK(Ac)SAPATGGV).

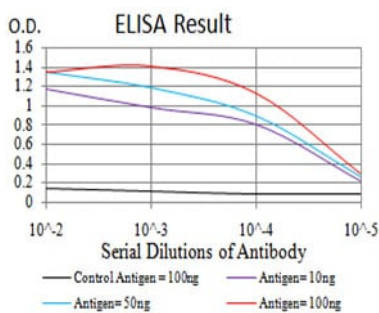
Background

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

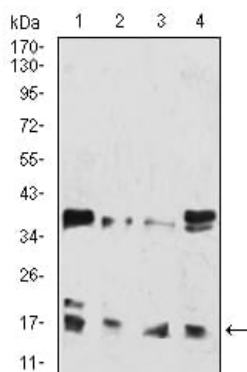
histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the telomeric copy.

Research Area

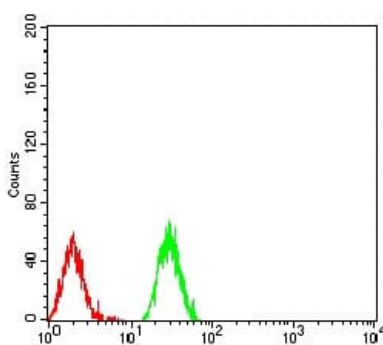
Image Data



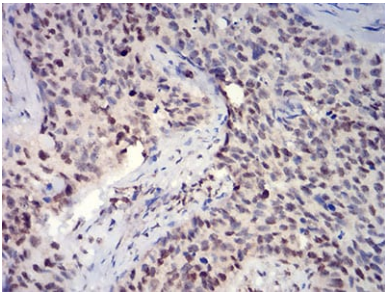
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



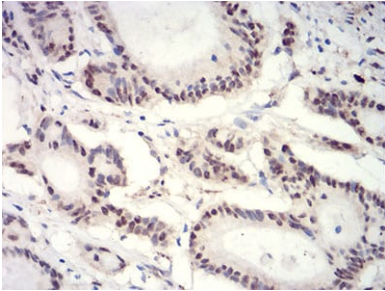
Western blot analysis using HIST2H3C(27Ac) mouse mAb against Hela (1), Lncap (2), Jurkat (3), and Jurkat (4) cell lysate.



Flow cytometric analysis of Raji cells using HIST2H3C(27Ac) mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using HIST2H3C(27Ac) mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using HIST2H3C(27Ac) mouse mAb with DAB staining.