

产品名称: Histone 1.0 Rabbit Polyclonal Antibody
产品货号: APRab12045



产品概述 (Summary)

产品名称 (Production Name)	Histone 1.0 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	H1F0
别名 (Alternative Names)	H1F0; H1FV; Histone H1.0; Histone H1'; Histone H1(0)
基因 ID (Gene ID)	3005.0
蛋白 ID (SwissProt ID)	P07305.The antiserum was produced against synthesized peptide derived from human Histone 1F0. AA range:71-120

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	28kDa

研究背景 (Background)

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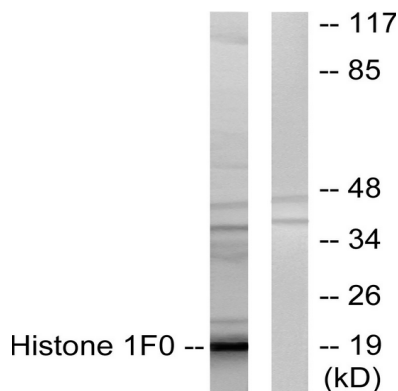


Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber 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 replication-independent histone that is a member of the histone H1 family. [provided by RefSeq, Oct 2015],function:Histones H1 are necessary for the condensation of nucleosome chains into higher order structures. The H1F0 histones are found in cells that are in terminal stages of differentiation or that have low rates of cell division.,induction:Both the unedited and the RNA edited versions are induced by butyrate (at protein level). Only RNA edited version is induced by DTT, vinblastine or TNF (at protein level).,online information:Histone H1 entry,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR. Phosphorylated on Ser-17 in RNA edited version.,RNA editing:Partially edited. In approximately 3.6% of the mRNA molecules, a new initiator methionine is created by a single uridine insertion in the 5'-UTR, causing an N-terminal extension of 99 amino acids. The existence of the RNA edited version is supported by direct protein sequencing by MS/MS of the following peptides specific to that version: 12-21; 22-33; 37-47; 48-67; 68-83; 84-94 and 97-113. The RNA edited version is called ET-H1.0.,similarity:Belongs to the histone H1/H5 family.,subcellular location:The RNA edited version has been localized to nuclear speckles. During mitosis, it appears in the vicinity of condensed chromosomes.,

研究领域 (Research Area)

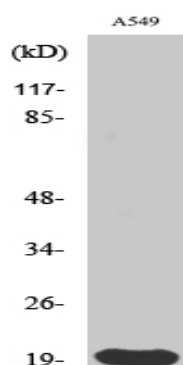
Protein_Acetylation

图片 (Image Data)



Western blot analysis of lysates from A549 cells, using Histone 1F0 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using Histone 1.0 Polyclonal Antibody diluted at 1 : 2000

注意事项 (Note)

For research use only .