Product Name: Acetyl Histone H1 (K25) Rabbit Polyclonal Antibody
Catalog #: APRab04160

Summary

Production Name	Acetyl Histone H1 (K25) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Monkey

Performance

Conjugation	Unconjugated
Modification	Acetyl Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	H1FOO
Alternative Names	H1FOO; H1OO; OSH1; Histone H1oo; Oocyte-specific histone H1; Oocyte-specific linker histone H1; osH1;H1K25AC
Gene ID	132243.0
SwissProt ID	Q8IZA3.The antiserum was produced against synthesized peptide derived from human Histone H1 around the acetylated site of Lys25. AA range:131-180

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000..
Molecular Weight	20kD

Product Name: Acetyl Histone H1 (K25) Rabbit Polyclonal Antibody
Catalog #: APRab04160

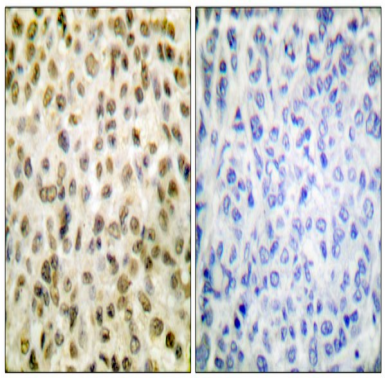
Background

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. The protein encoded is a replication-independent histone that is a member of the histone H1 family. This gene contains introns, unlike most histone genes. The related mouse gene is expressed only in oocytes. [provided by RefSeq, Oct 2015],function:May play a key role in the control of gene expression during oogenesis and early embryogenesis, presumably through the perturbation of chromatin structure. Essential for meiotic maturation of germinal vesicle-stage oocytes. The somatic type linker histone H1c is rapidly replaced by H1oo in a donor nucleus transplanted into an oocyte. The greater mobility of H1oo as compared to H1c may contribute to this rapid replacement and increased instability of the embryonic chromatin structure. The rapid replacement of H1c with H1oo may play an important role in nuclear remodeling.,similarity:Belongs to the histone H1/H5 family.,tissue specificity:Oocyte-specific.,

Research Area

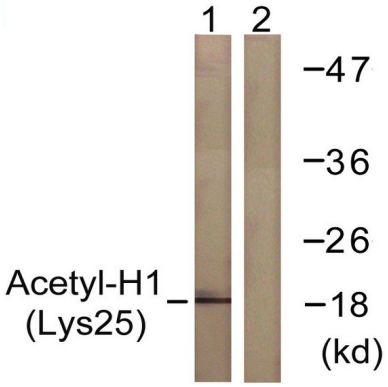
Protein_Acetylation

Image Data



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Histone H1 (Acetyl-Lys25) Antibody. The picture on the right is blocked with the synthesized peptide.

Product Name: Acetyl Histone H1 (K25) Rabbit Polyclonal Antibody
Catalog #: APRab04160



Western blot analysis of lysates from COS7 cells, treated with TSA 400nM 24h, using Histone H1 (Acetyl-Lys25) Antibody. The lane on the right is blocked with the synthesized peptide.

Note

For research use only.