Best Tools for immunology Research

Acetyl Histone H1 (K25) Polyclonal Antibody

Catalog No :	YK0001
Reactivity :	Human;Monkey
Applications :	WB;IHC;IF;ELISA
Target :	Histone H1
Gene Name :	H1FOO
Protein Name :	Histone H1oo
Human Gene Id :	132243
Human Swiss Prot No :	Q8IZA3
Mouse Swiss Prot No :	Q8VIK3
Immunogen :	The antiserum was produced against synthesized peptide derived from human Histone H1 around the acetylated site of Lys25. AA range:131-180
Specificity :	Acetyl-Histone H1 (K25) Polyclonal Antibody detects endogenous levels of Histone H1 protein only when acetylated at K25.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	20kD

Cell Pathway : Protein_Acetylation

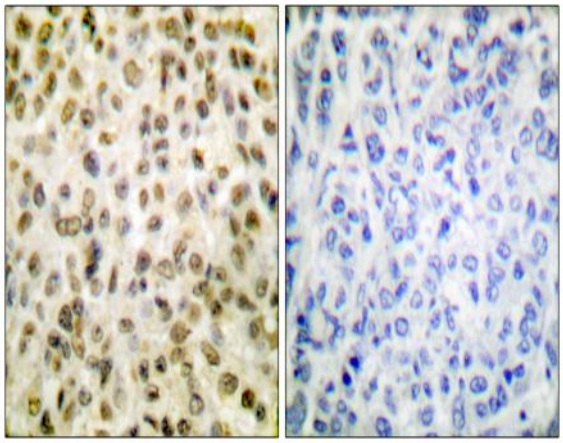
Background : Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The 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 : 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.,

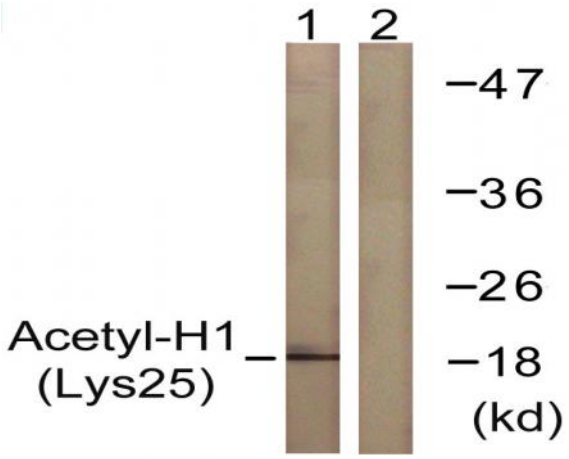
Subcellular Location : Cytoplasm . Nucleus . Chromosome .

Expression : Oocyte-specific.

Products Images



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.



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.