



Histone H3 (Acetyl Lys23) rabbit pAb

Cat No.:ES1089

For research use only

Overview

Product Name	Histone H3 (Acetyl Lys23) rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species	Human;Mouse;Rat
Cross-Reactivity	
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Histone H3 around the acetylated site of Lys23. AA range:-9-40
Specificity	Acetyl-Histone H3 (K23) Polyclonal Antibody detects endogenous levels of Histone H3 protein only when acetylated at K23.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Histone H3.1/Histone H3.2/Histone H3.3
Gene Name	HIST1H3A/HIST1H3B/HIST1H3C/HIST1H3D/HIST1H3E/HIST1H3F/HIST1H3G/HIST1H3H/HIST1H3I/HIST1H3J/HIST2H3A/HIST2H3C/HIST2H3D/H3F3A/H3F3B
Cellular localization	Nucleus. Chromosome.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal





Y

Concentration 1 mg/ml

Observed band 17kD

Human Gene ID 8350/8351/8352/8353/8354/8355/8356/8357/8358/8968/126961/33393
2/653604/3020/3021

ID

Human Swiss-Prot P68431/Q71DI3/P84243

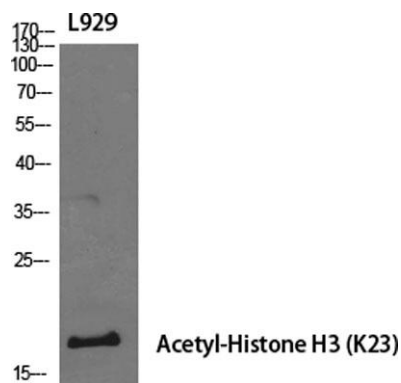
Number

Alternative Names

HIST1H3A; H3FA; HIST1H3B; H3FL; HIST1H3C; H3FC; HIST1H3D; H3FB; HIST1H3E; H3FD; HIST1H3F; H3FI; HIST1H3G; H3FH; HIST1H3H; H3FK; HIST1H3I; H3FF; HIST1H3J; H3FJ; Histone H3.1; Histone H3/a; Histone H3/b; Histone H3/c; Histone H3/d; Histone H3;H3k23AC

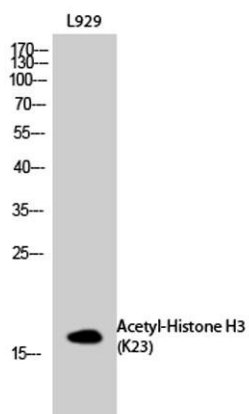
Background

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 replication-dependent histone that is 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 the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Aug 2015],



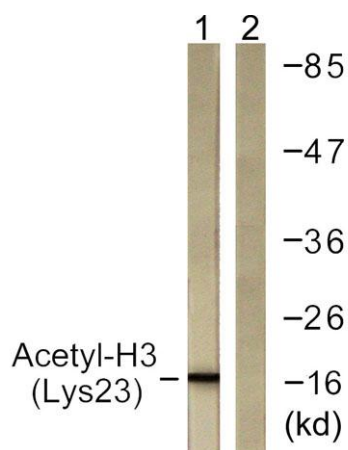
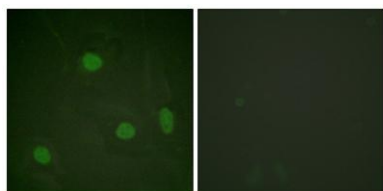
Western Blot analysis of various cells using Acetyl-Histone H3 (K23) Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000





Western Blot analysis of L929 cells using Acetyl-Histone H3 (K23) Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

Immunofluorescence analysis of HeLa cells, using Histone H3 (Acetyl-Lys23) Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Raw264.7 cells, treated with TSA 400nM 24h, using Histone H3 (Acetyl-Lys23) Antibody. The lane on the right is blocked with the synthesized peptide.

