

Histone H4 (phospho Ser47) rabbit pAb

Cat No.:ES4693

For research use only

Overview

Product Name	Histone H4 (phospho Ser47) rabbit pAb
Host species	Rabbit
Applications	IF;IHC;WB;ELISA
Species	Human;Mouse;Rat
Cross-Reactivity	
Recommended dilutions	WB 1:500-2000 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 H4 around the phosphorylation site of Ser47. AA range:13-62
Specificity	Phospho-Histone H4 (S47) Polyclonal Antibody detects endogenous levels of Histone H4 protein only when phosphorylated at S47.
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 H4
Gene Name	HIST1H4A
Cellular localization	Nucleus. Chromosome.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	13kD
Human Gene ID	121504/554313/8294/8359/8360/8361/8362/8363/8364/8365/8366/8367/8368/8370
Human Swiss-Prot	P62805





Number

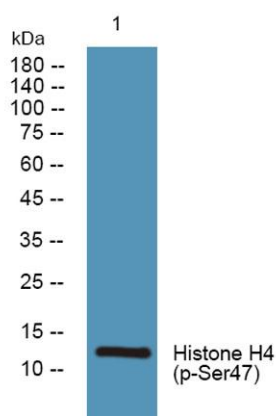
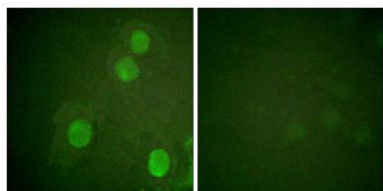
**Alternative
Names**

HIST1H4A; H4/A; H4FA; HIST1H4B; H4/I; H4FI; HIST1H4C; H4/G; H4FG;
HIST1H4D; H4/B; H4FB; HIST1H4E; H4/J; H4FJ; HIST1H4F; H4/C; H4FC;
HIST1H4H; H4/H; H4FH; HIST1H4I; H4/M; H4FM; HIST1H4J; H4/E;
H4FE; HIST1H4K; H4/D; H4FD; HIST1H4L; H4/K; H4FK

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H4 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the histone microcluster on chromosome 6p21.33. [provided by RefSeq, Aug 2015],

Immunofluorescence analysis of HUVEC cells, using Histone H4 (Phospho-Ser47) Antibody. The picture on the right is blocked with the phospho peptide.

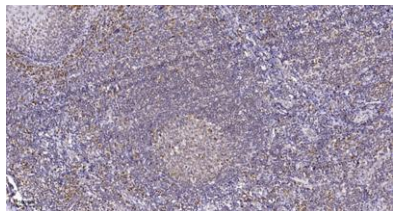


Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4° over night





ELK Biotechnology



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH 9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4°C overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45 min).



+86-27-59760950

ELKbio@ELKbiotech.com

www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road, Wuhan East Lake Hi-tech Development Zone, Hubei, P.R.C.