

Histone H4 (phospho Ser47) rabbit pAb**Cat#: orb767568 (Manual)**

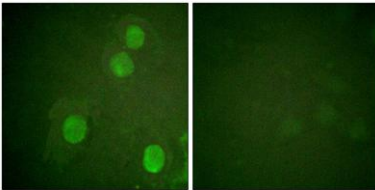
For research use only. Not intended for diagnostic use.

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| Product Name | Histone H4 (phospho Ser47) rabbit pAb |
| Host species | Rabbit |
| Applications | IF;IHC;WB;ELISA |
| Species Cross-Reactivity | Human;Mouse;Rat |
| 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 |

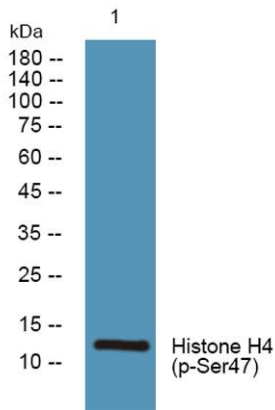
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| Concentration | 1 mg/ml |
| Observed band | 13kD |
| Human Gene ID | 121504/554313/8294/8359/8360/8361/8362/8363/8364/8365/8366/8367/8368/8370 |
| Human Swiss-Prot Number | P62805 |
| Alternative Names | HIST1H4A; H4/A; H4FA; HIST1H4B; H4/I; H4FI; 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

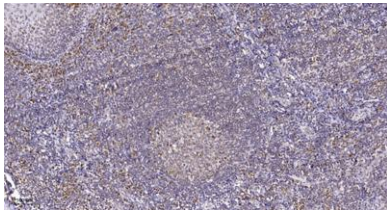
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. 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



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight). 3, Secondary antibody was diluted at 1:200(room temperature, 45min).