



Histone H3 (phospho Ser10) rabbit pAb

Cat#: orb764202 (Manual)

For research use only. Not intended for diagnostic use.

| Product Name | Histone H3 (phospho Ser10) rabbit pAb |
|--------------------------|---|
| Host species | Rabbit |
| Applications | WB;IHC;IHC-f;Flow Cyt;ICC;IF;ELISA |
| Species Cross-Reactivity | Human;Mouse;Rat;Drosophila melanogaster |
| Recommended dilutions | Western Blot: 1/500 - 1/2000. IHC: 1/100 - 1/300. ICC/IF: 1/200 - 1/1000. ELISA: 1/10000. IHC-f,Flow Cyt 1:500 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human Histone H3.1 around the phosphorylation site of Ser10. AA range:1- 50 |
| Specificity | Phospho-Histone H3 (S10) Polyclonal Antibody detects endogenous levels of Histone H3 protein only when phosphorylated at S10. |
| 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 |
| Gene Name | HIST1H3A |
| Cellular localization | Nucleus. Chromosome. |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity- chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |

www.biorbyt.com



| Concentration | 1 mg/ml |
|-------------------------|--|
| Observed band | 15kD |
| Human Gene ID | 8350/8351/8352/8353/8354/8355/8356/8357/8358/8968 |
| Human Swiss-Prot Number | P68431/Q71DI3/P84243 |
| 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 |
| 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], |