



Histone H3 (phospho Ser10) rabbit pAb

Cat No.:ES1327

For research use only

Overview

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
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





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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],



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