

**Histone H3 (phospho Ser28) rabbit pAb****Cat#: orb764203 (Manual)**

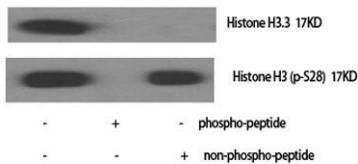
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Histone H3 (phospho Ser28) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Histone H3 around the phosphorylation site of Ser28. AA range:13-62
<b>Specificity</b>	Phospho-Histone H3 (S28) Polyclonal Antibody detects endogenous levels of Histone H3 protein only when phosphorylated at S28.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Histone H3.1
<b>Gene Name</b>	HIST1H3A
<b>Cellular localization</b>	Nucleus. Chromosome.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

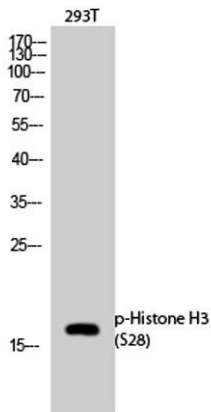
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	20kD
<b>Human Gene ID</b>	8350/8351/8352/8353/8354/8355/8356/8357/8358/8968
<b>Human Swiss-Prot Number</b>	P68431/Q71DI3/P84243
<b>Alternative Names</b>	HIST1H3A; H3FA; HIST1H3B; H3FL; HIST1H3C; H3FC; HIST1H3D; H3FB; HIST1H3E; H3FD; HIST1H3F; H3FI; HIST1H3G; 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**

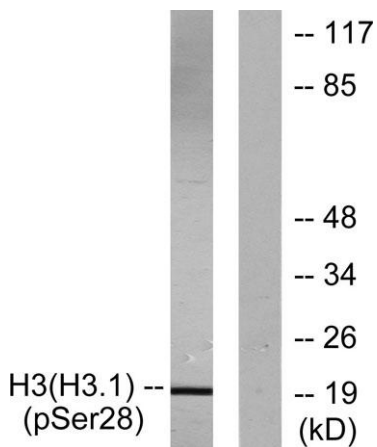
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The 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],



**Western Blot analysis of various cells using Phospho-Histone H3 (S28) Polyclonal Antibody diluted at 1:1000 cells nucleus extracted by Minute™ Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventibiotech, MN, USA).**



Western Blot analysis of 293T cells using Phospho-Histone H3 (S28) Polyclonal Antibody diluted at 1:1000 cells nucleus extracted by Minute™ Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventibiotec, MN, USA).



Western blot analysis of lysates from HUVEC cells treated with Serum 20% 30', using Histone H3 (Phospho-Ser28) Antibody. The lane on the right is blocked with the phospho peptide.