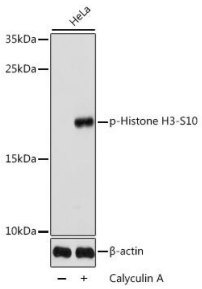
Product Data Sheet: Phospho-Histone H3 (S10)

Cat. No:	ABP-0639
Conjugate:	Unconjugated
Size:	100 ug
Clone:	Poly
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A synthetic phosphorylated peptide around S10 of humanb Histone H3.
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500 – 1:2000
Molecular Weight:	17kDa
Purification:	Affinity purification
Synonyms:	HIST3H3; H3.4; H3/g; H3FT; H3t; histone H3.1t
Background:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.
Form:	liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage:	Store at -20℃. Avoid freeze / thaw cycles.



Western blot analysis of extracts of HeLa cells, using Phospho-Histone H3-S10 antibody at 1:1000 dilution. HeLa cells were treated by Calyculin A (100 nM) at 37℃ for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti- Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.
Blocking buffer: 3% BSA. Detection: ECL
West Pico Plus. Exposure time: 180s.