

Phospho-Histone H3-S10 pAb

Catalog No.	AP0840	Category	Phosphorylated Antibodies
Applications	WB	Observed MW	17kDa
Cross-reactivity	Human	Calculated MW	15kDa

Immunogen Information

Immunogen	A synthetic phosphorylated peptide around S10 of human Histone H3 (NP_003484.1).
Gene ID	8290
Swiss prot	Q16695
Synonyms	HIST3H3; H3.4; H3/g; H3FT; H3t; histone H3.1t

Product information

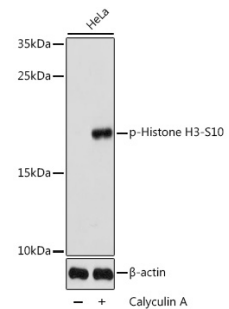
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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.

Recommended Dilutions

WB 1:500 -
1:2000



Western blot - Phospho-Histone H3-S10 pAb (AP0840)