

Product datasheet for **AP01606PU-M**

H3FA (HIST1H3A) pSer10 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunohistochemistry on paraffin sections 1/50-1/200. Immunofluorescence: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of Histone H3.1 pSer10 protein.
Formulation:	Phosphate buffered saline (PBS), pH~7.2 containing 0.05% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE).
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	~ 15 kDa
Gene Name:	histone cluster 1, H3a
Database Link:	Entrez Gene 8350 Human P68431



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Background:

Histones are basic nuclear proteins that together with DNA make up the nucleosome structure 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 structure is further compacted through the interaction of a linker histone H1. Methylation of specific residues in the histone tails is a central modification for regulating epigenetic transitions in chromatin. Modified lysine residues can exist in a mono-, di-, or tri-methylated state, whilst arginine residues can be mono- or di-methylate

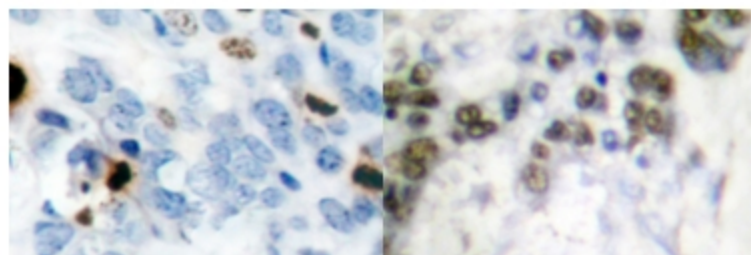
Synonyms:

H3/a, H3/b, H3/c, H3/d, H3/f, H3/h, H3/i, H3/j, H3/k, H3/l, HIST1H3A, H3FA, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J

Product images:



Western blot (WB) analysis of Histone H3.1 pSer10 antibody (Cat.-No.: [AP01606PU-N]) in extracts from HeLa cells.



Immunohistochemistry (IHC) analyzes of Histone H3.1 pSer10 antibody (Cat.-No.: [AP01606PU-N]) in paraffin-embedded human skeletal muscle tissue.