

Product datasheet for **AP20984PU-N**

H3FA (HIST1H3A) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 1/500 - 1/1000. Immunohistochemistry: 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	Histone H3.1 pAb detects endogenous levels of Histone H3.1 protein.
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1,0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
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.
Gene Name:	histone cluster 1, H3a
Database Link:	Entrez Gene 360198 Mouse Entrez Gene 679994 Rat Entrez Gene 8350 Human P68431
Background:	In eukaryotes, DNA is wrapped around histone octamers to form the basic unit of chromatin structure. The octamer is composed of histones H2A, H2B, H3 and H4 and it associates with approximately 200 base pairs of DNA to form the nucleosome. The association of DNA with histones results in dense packing of chromatin, which restricts proteins involved in gene transcription from binding to DNA. Histone H1 is required for the condensation of nucleosome chains into higher order structures. Phosphorylation of histone H1 is thought to be involved in this process, although the exact nature of this role has yet to be elucidated. Evidence suggests that histone H1 is a part of a general repressor mechanism for stable repression of transcription, but it can also activate transcription of specific genes.

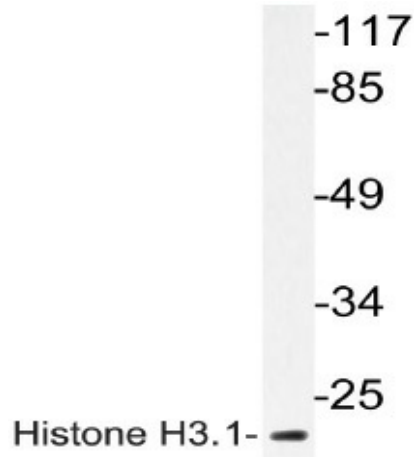


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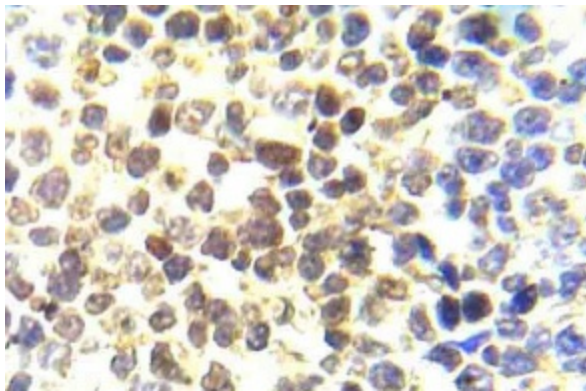
Synonyms: H3/a, H3/b, H3/c, H3/d, H3/f, H3/h, H3/i, H3/j, H3/k, H3/l, HIST1H3A, H3FA, HIST1H3B, HIST1H3C, HIST1H3D, HIST1H3E, HIST1H3F, HIST1H3G, HIST1H3H, HIST1H3I, HIST1H3J

Protein Pathways: Systemic lupus erythematosus

Product images:



Western blot (WB) analyzes of Histone H3.1 pAb in extracts from NIH/3T3 cells.



Immunohistochemistry (IHC) analyzes of Histone H3.1 pAb in paraffin-embedded human malignant lymphoma tissue.