

# Product Datasheet

## Histone H3.1 Antibody NBP2-75524

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-75524**

## Histone H3.1 Antibody

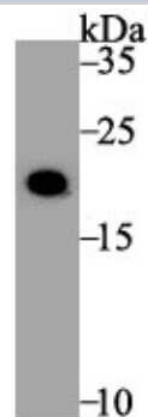
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH7.4), 0.2% BSA, 50% Glycerol
Target Molecular Weight	15.4 kDa

Product Description	
Host	Rabbit
Gene ID	8353
Gene Symbol	HIST1H3E
Species	Human, Mouse
Immunogen	Synthetic peptide within Human Histone H3.1 aa 1-50 / 136. (SwissProt: P68431 Human; SwissProt: P68433 Mouse)

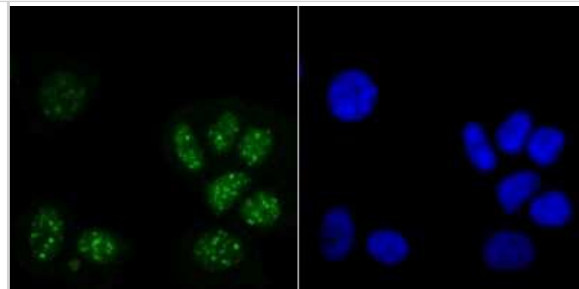
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:200

**Images**

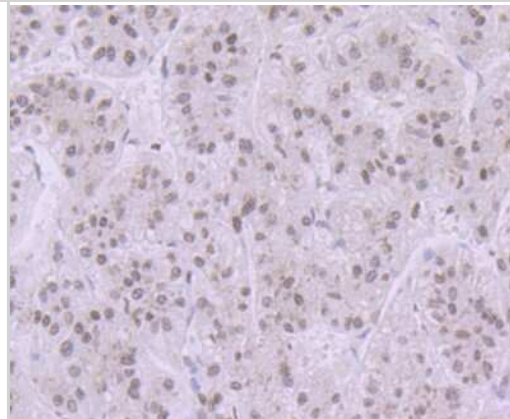
Western Blot: Histone H3.1 Antibody [NBP2-75524] - Analysis of Histone H3.1 on F9 cell lysate using anti-Histone H3.1 antibody at 1/1,000 dilution.



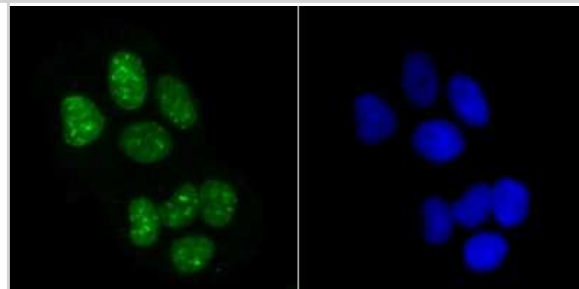
Immunocytochemistry/Immunofluorescence: Histone H3.1 Antibody [NBP2-75524] - Staining Histone H3.1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



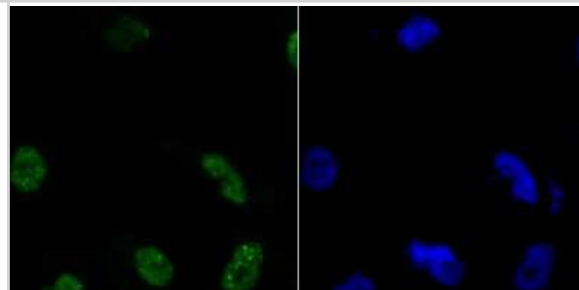
Immunohistochemistry-Paraffin: Histone H3.1 Antibody [NBP2-75524] - Analysis of paraffin-embedded human liver tissue using anti-Histone H3.1 antibody. Counter stained with hematoxylin.



Immunocytochemistry/Immunofluorescence: Histone H3.1 Antibody [NBP2-75524] - Staining Histone H3.1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunocytochemistry/Immunofluorescence: Histone H3.1 Antibody [NBP2-75524] - Staining Histone H3.1 in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



## Publications

Xu H, Akinyemi IA, Haley J et al. ATM, KAP1 and the Epstein-Barr virus polymerase processivity factor direct traffic at the intersection of transcription and replication *Nucleic acids research* 2023-10-19 [PMID: 37852757] (IP, Human)

Zhu J, Chen K, Sun YH et al. LSM1-mediated Major Satellite RNA decay is required for nonequilibrium histone H3.3 incorporation into parental pronuclei *Nature communications* 2023-02-21 [PMID: 36810573] (WB, Mouse)

Yang W, Zhou J, Zhang Z et al. Downregulation of lncRNA APCDD1L-AS1 due to DNA hypermethylation and loss of VHL protein expression promotes the progression of clear cell renal cell carcinoma *International Journal of Biological Sciences* 2022-03-21 [PMID: 35414787] (WB, Human)





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### **Products Related to NBP2-75524**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00008294-P01-10ug	Recombinant Human HIST1H4I GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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