

Product Datasheet

Histone H2a Antibody - BSA Free NB100-56346

Unit Size: 0.1 mg

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

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NB100-56346

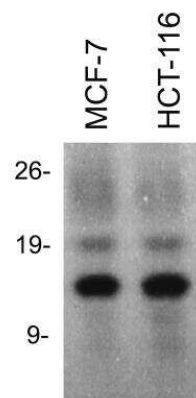
Histone H2a Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 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	Protein G purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene ID	8338
Gene Symbol	H2AC20
Species	Human, Mouse, Sheep
Reactivity Notes	Use in Sheep reported in scientific literature (PMID:32849530).
Immunogen	This antibody was generated by immunizing rabbits with a mixture of synthetic peptides containing amino acid residues 1-15 (MSGRGKQGGKARAKA) and 81-96 (PRHLQLAIRNDEELNK) of human Histone H2A.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 2 ug/ml, Flow Cytometry reported in scientific literature (PMID 32849530), ELISA 1:2000, Immunohistochemistry, Immunohistochemistry-Paraffin 5 ug/ml
Application Notes	A 14 kDa band is observed.

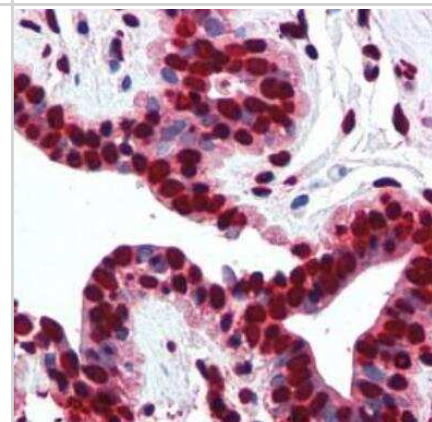


Images

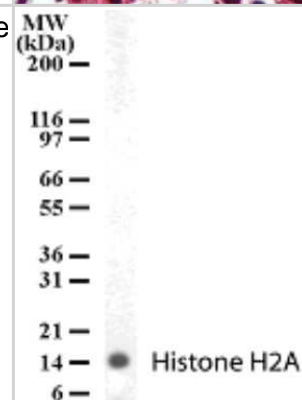
Western Blot: Histone H2a Antibody [NB100-56346] - Histone H2A in MCF-7 and HCT-116 cells. Image from verified customer review.



Immunohistochemistry-Paraffin: Histone H2a Antibody [NB100-56346] - Human breast probed with Histone H2A antibody at 5 ug/ml. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



Western Blot: Histone H2a Antibody [NB100-56346] - Analysis of Histone H2A in human PBMC lysate probed with Histone H2A antibody.



Publications

Dong, Y;Chen, Y;Wang, Y;Zhao, X;Zi, R;Hao, J;Ding, Q;Jiang, H;Wang, X;Lu, F;Liang, H;Wei, Z;Li, J; Cancer-associated fibroblasts derived fibronectin extra domain A promotes sorafenib resistance in hepatocellular carcinoma cells by activating SHMT1 Genes & diseases 2024-11-01 [PMID: 39286657]

Tam FF, Ning KL, Lee M et al. Cytokine induction of HIF-1 α during normoxia in A549 human lung carcinoma cells is regulated by STAT1 and JNK signalling pathways Molecular immunology 2023-06-07 [PMID: 37295053] (WB, Human)

Agazio A, Cimon J, Shotts K et al. Histone H2A-Reactive B Cells Are Functionally Anergic in Healthy Mice With Potential to Provide Humoral Protection Against HIV-1 Front. Immunol. 2020-07-22 [PMID: 32849530] (FLOW, Sheep)

Dai Bo, Giardina Charles, Rasmussen Theodore P. Quantitation of nucleosome acetylation and other histone posttranslational modifications using microscale NU-ELISA. Methods Mol Biol. 2013-01-01 [PMID: 23381861]

Dai B, Rasmussen TP. Global epiproteomic signatures distinguish embryonic stem cells from differentiated cells. Stem Cells. 2007-10-01 [PMID: 17641388] (Mouse)

Details:

Nucleosome ELISA (embryonic fibroblasts and stem cell cultures, mouse embryonal carcinoma cells): Supplementary Table 1, also see Fig 2 for information on the Nucleosome ELISA technique and representative data.





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Products Related to NB100-56346

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00008338-P01-10ug	Recombinant Human Histone H2a GST (N-Term) Protein

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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