

# Product Datasheet

## Histone H2AY/macroH2A.1 Antibody (4D204) NBP3-16743-100ul

Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

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Updated 9/9/2025 v.20.1

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**NBP3-16743-100ul**

Histone H2AY/macroH2A.1 Antibody (4D2O4)

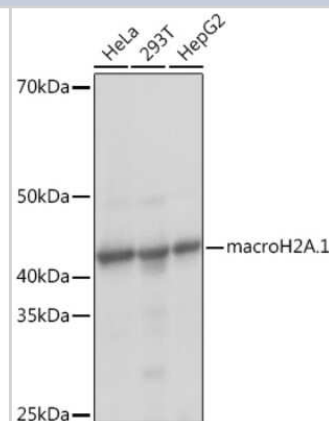
Product Information	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	4D2O4
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.3), 50% glycerol, 0.05% BSA

Product Description	
<b>Description</b>	Novus Biologicals Rabbit Histone H2AY/macroH2A.1 Antibody (4D2O4) (NBP3-16743) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	9555
<b>Gene Symbol</b>	MACROH2A1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human Histone H2AY/macroH2A.1 (O75367). IHSEISNLAGFEVEAIINPTNADIDLKDDLGNLTLEKKGKKEFVEAVLELRKKNGLPEVAGAAVSAGHGLPAKFVIHCNSPVWGADKCEELLEKTVKNCLAL

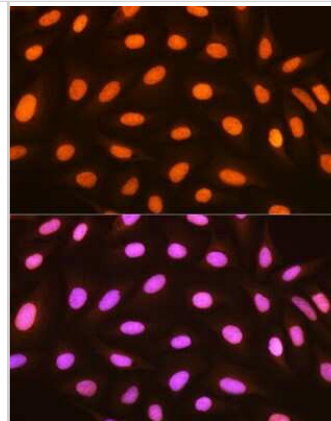
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:2000, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 1:50 - 1:200, Immunohistochemistry-Paraffin

**Images**

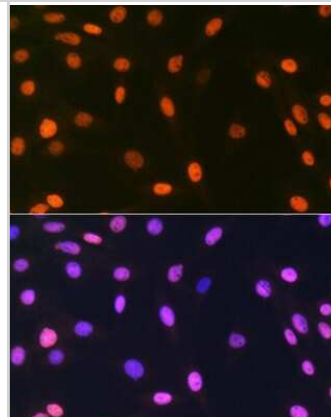
Western Blot: Histone H2AY/macroH2A.1 Antibody (4D2O4) [NBP3-16743] - Western blot analysis of extracts of various cell lines, using Histone H2AY/macroH2A.1 Rabbit mAb (NBP3-16743) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



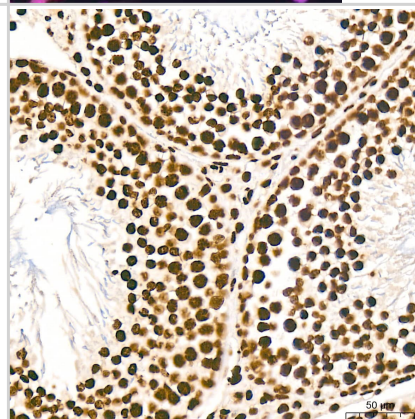
Immunocytochemistry/Immunofluorescence: Histone H2AY/macroH2A.1 Antibody (4D2O4) [NBP3-16743] - Immunofluorescence analysis of U-2 OS cells using Histone H2AY/macroH2A.1 Rabbit mAb (NBP3-16743) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



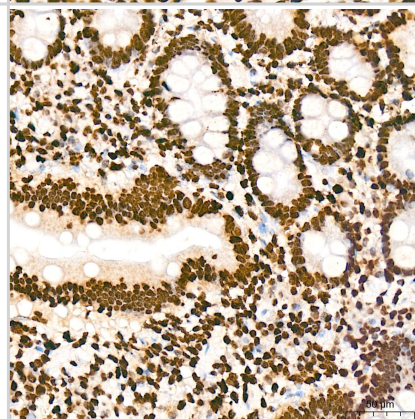
Immunocytochemistry/Immunofluorescence: Histone H2AY/macroH2A.1 Antibody (4D2O4) [NBP3-16743] - Immunofluorescence analysis of C6 cells using Histone H2AY/macroH2A.1 Rabbit mAb (NBP3-16743) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



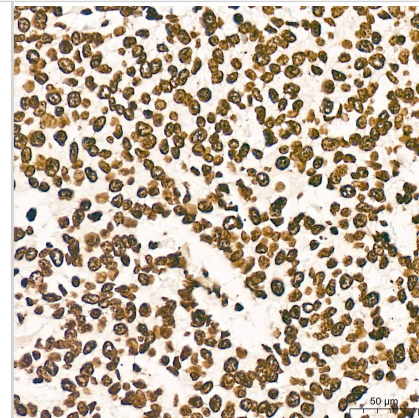
Immunohistochemistry: Histone H2AY/macroH2A.1 Antibody (4D2O4) [NBP3-16743] - Immunohistochemistry analysis of Histone H2AY/macroH2A.1 in paraffin-embedded rat testis tissue using Histone H2AY/macroH2A.1 Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



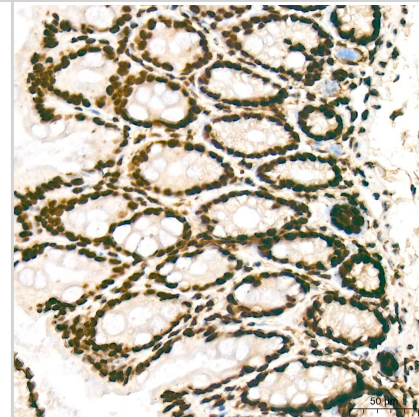
Immunohistochemistry: Histone H2AY/macroH2A.1 Antibody (4D2O4) [NBP3-16743] - Immunohistochemistry analysis of Histone H2AY/macroH2A.1 in paraffin-embedded human colon tissue using Histone H2AY/macroH2A.1 Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



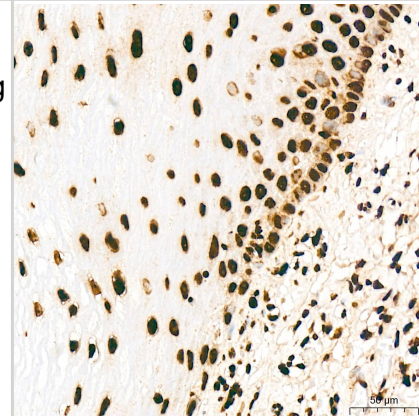
Immunohistochemistry: Histone H2AY/macroH2A.1 Antibody (4D2O4) [NBP3-16743] - Immunohistochemistry analysis of Histone H2AY/macroH2A.1 in paraffin-embedded human breast cancer tissue using Histone H2AY/macroH2A.1 Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



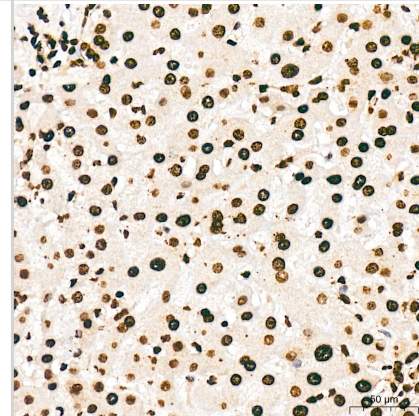
Immunohistochemistry: Histone H2AY/macroH2A.1 Antibody (4D2O4) [NBP3-16743] - Immunohistochemistry analysis of Histone H2AY/macroH2A.1 in paraffin-embedded mouse colon tissue using Histone H2AY/macroH2A.1 Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry: Histone H2AY/macroH2A.1 Antibody (4D2O4) [NBP3-16743] - Immunohistochemistry analysis of Histone H2AY/macroH2A.1 in paraffin-embedded human esophagus tissue using Histone H2AY/macroH2A.1 Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry: Histone H2AY/macroH2A.1 Antibody (4D2O4) [NBP3-16743] - Immunohistochemistry analysis of Histone H2AY/macroH2A.1 in paraffin-embedded human liver tissue using Histone H2AY/macroH2A.1 Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.





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### **Products Related to NBP3-16743-100ul**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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