

# Product Datasheet

## Histone H2AX Antibody (4Z3S8) NBP3-15378-100ul

Unit Size: 100 ul

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

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**NBP3-15378-100ul**

Histone H2AX Antibody (4Z3S8)

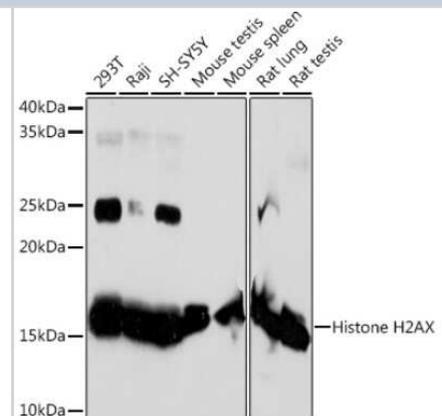
Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4Z3S8
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.3), 50% glycerol, 0.05% BSA

Product Description	
Description	Novus Biologicals Rabbit Histone H2AX Antibody (4Z3S8) (NBP3-15378) is a recombinant monoclonal antibody validated for use in IHC, WB and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3014
Gene Symbol	H2AX
Species	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Histone H2AX (P16104). MSGRGKTGGKARAKAKSRSSRAGLQFPVGRVHLLRKGHYAERVGAGAPVY LAAVLEYLTAEILELAGNAARDNKKTRIIPRHLQLAIRNDEELNKLGG

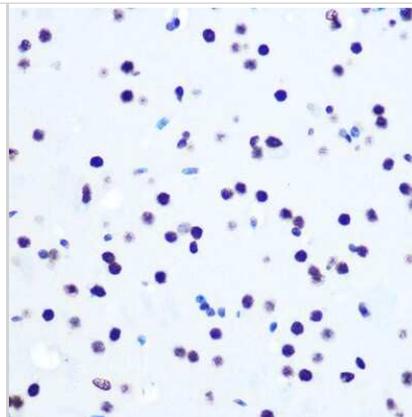
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:500 - 1:2000, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation (ChIP) 1:50-1:200

**Images**

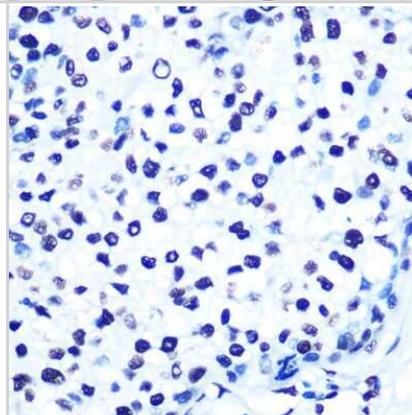
Western Blot: Histone H2AX Antibody (4Z3S8) [NBP3-15378] - Western blot analysis of extracts of various cell lines, using Histone H2AX Rabbit mAb (NBP3-15378) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



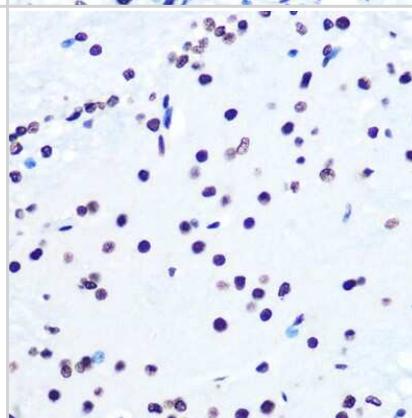
Immunohistochemistry-Paraffin: Histone H2AX Antibody (4Z3S8) [NBP3-15378] - Immunohistochemistry of paraffin-embedded Mouse brain using Histone H2AX antibody (NBP3-15378) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



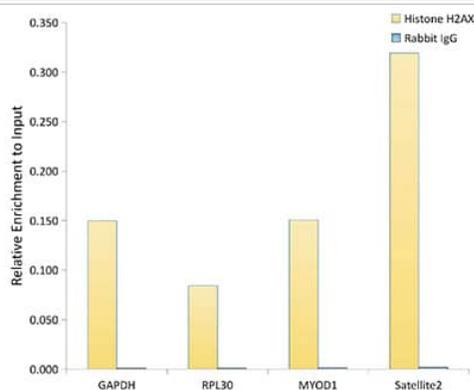
Immunohistochemistry-Paraffin: Histone H2AX Antibody (4Z3S8) [NBP3-15378] - Immunohistochemistry of paraffin-embedded Human liver cancer using Histone H2AX antibody (NBP3-15378) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



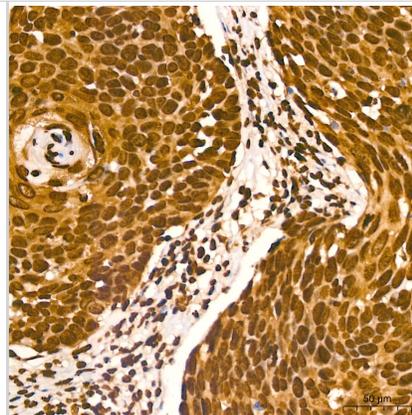
Immunohistochemistry-Paraffin: Histone H2AX Antibody (4Z3S8) [NBP3-15378] - Immunohistochemistry of paraffin-embedded Rat brain using Histone H2AX antibody (NBP3-15378) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



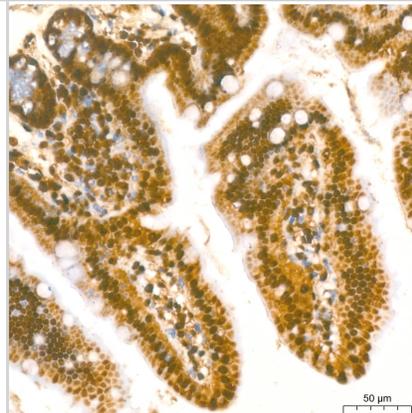
Chromatin Immunoprecipitation: Histone H2AX Antibody (4Z3S8) [Histone H2AX] - Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Histone H2AX Rabbit mAb antibody and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



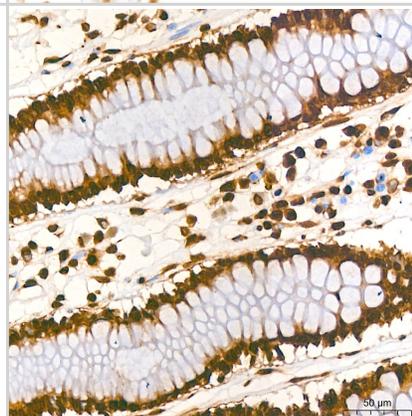
Immunohistochemistry: Histone H2AX Antibody (4Z3S8) [Histone H2AX]  
- Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using Histone H2AX Rabbit mAb at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



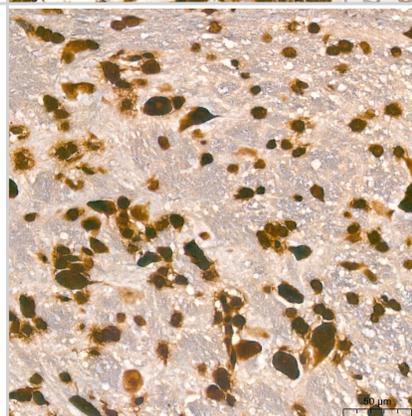
Immunohistochemistry: Histone H2AX Antibody (4Z3S8) [Histone H2AX]  
- Immunohistochemistry analysis of paraffin-embedded Mouse intestin tissue using Histone H2AX Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



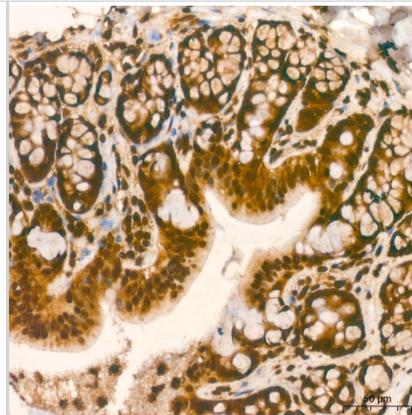
Immunohistochemistry: Histone H2AX Antibody (4Z3S8) [Histone H2AX]  
- Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Histone H2AX Rabbit mAb at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



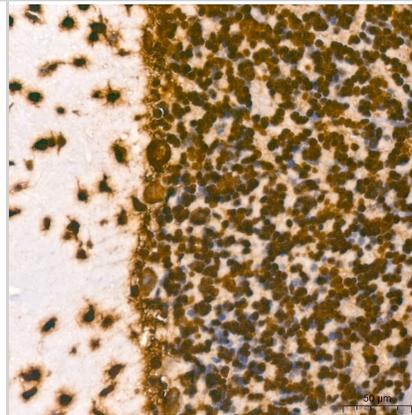
Immunohistochemistry: Histone H2AX Antibody (4Z3S8) [Histone H2AX]  
- Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Histone H2AX Rabbit mAb at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



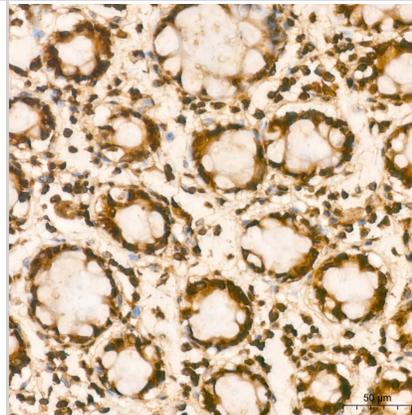
Immunohistochemistry: Histone H2AX Antibody (4Z3S8) [Histone H2AX]  
- Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using Histone H2AX Rabbit mAb at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry: Histone H2AX Antibody (4Z3S8) [Histone H2AX]  
- Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Histone H2AX Rabbit mAb at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



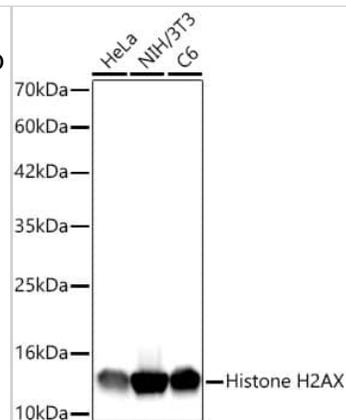
Immunohistochemistry: Histone H2AX Antibody (4Z3S8) [Histone H2AX]  
- Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Histone H2AX Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry: Histone H2AX Antibody (4Z3S8) [Histone H2AX]  
- Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Histone H2AX Rabbit mAb at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Western Blot: Histone H2AX Antibody (4Z3S8) [Histone H2AX] -  
Western blot analysis of various lysates using Histone H2AX Rabbit mAb  
at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at  
1:10000 dilution.  
Lysates/proteins: 25 ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit .  
Exposure time: 10s.





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### **Products Related to NBP3-15378-100ul**

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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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