

Product Datasheet

HP1 alpha Antibody (2H4E9) - BSA Free NBP2-52420

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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Publications: 2

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NBP2-52420

HP1 alpha Antibody (2H4E9) - BSA Free

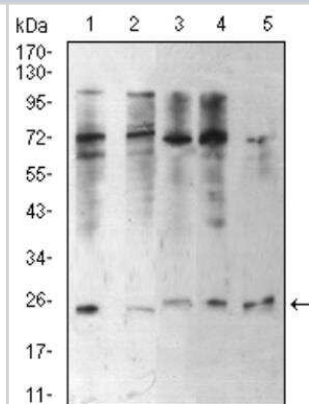
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2H4E9
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	22.2 kDa

Product Description	
Description	Novus Biologicals Mouse HP1 alpha Antibody (2H4E9) - BSA Free (NBP2-52420) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-HP1 alpha Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	23468
Gene Symbol	CBX5
Species	Human, Mouse
Immunogen	Purified recombinant fragment of human HP1 alpha (AA: 1-191) expressed in E. Coli.

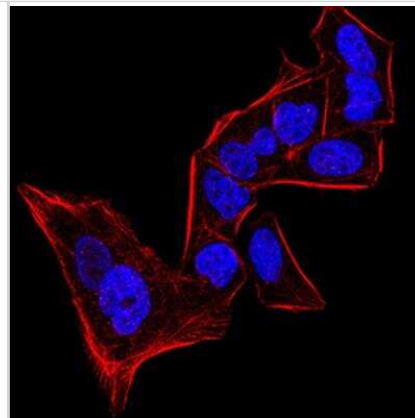
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:10000, Immunohistochemistry 1:200-1:1000, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000, CyTOF-ready
Application Notes	This antibody is Cytof ready.

Images

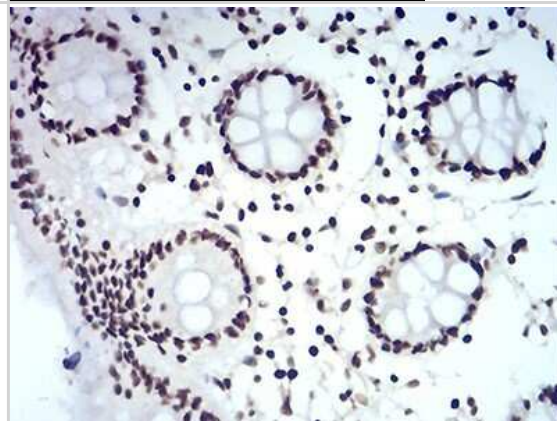
Western Blot: HP1 alpha Antibody (2H4E9) [NBP2-52420] - Analysis using HP1 mouse mAb against Hela (1), NIH/3T3 (2), K562 (3), MCF-7 (4), and A431 (5) cell lysate.



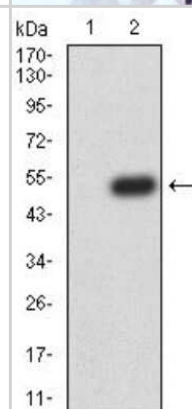
Immunocytochemistry/Immunofluorescence: HP1 alpha Antibody (2H4E9) [NBP2-52420] - Analysis of Hela cells using HP1 mouse mAb. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



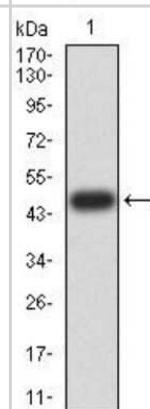
Immunohistochemistry-Paraffin: HP1 alpha Antibody (2H4E9) [NBP2-52420] - Analysis of colon tissues using CBX5 mouse mAb with DAB staining.



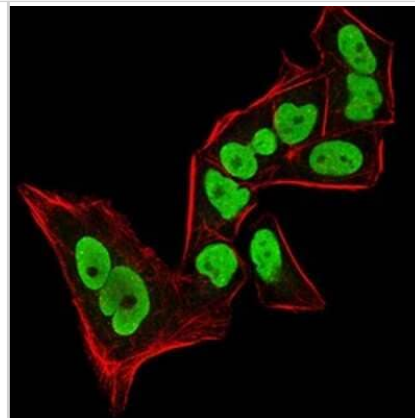
Western Blot: HP1 alpha Antibody (2H4E9) [NBP2-52420] - Analysis using CBX5 mAb against HEK293 (1) and CBX5 (AA: 1-191)-hlgGFc transfected HEK293 (2) cell lysate.



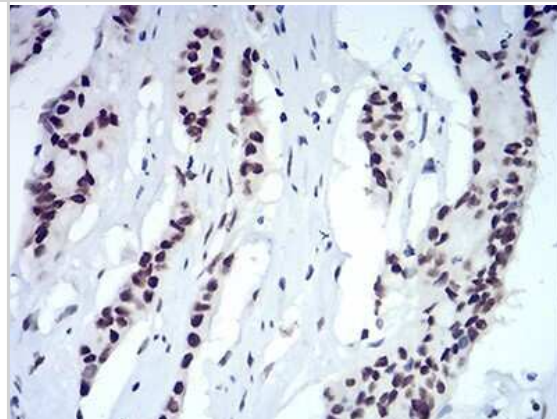
Western Blot: HP1 alpha Antibody (2H4E9) [NBP2-52420] - Analysis using CBX5 mAb against human CBX5 (AA: 1-191) recombinant protein. (Expected MW is 48.2 kDa)



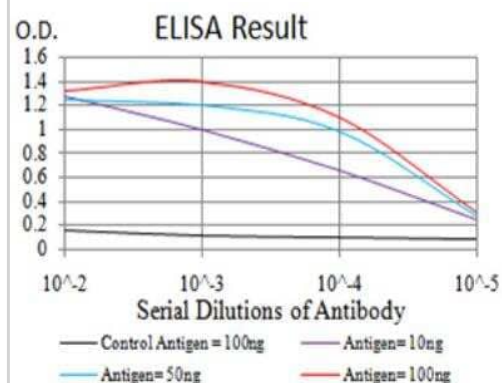
Immunocytochemistry/Immunofluorescence: HP1 alpha Antibody (2H4E9) [NBP2-52420] - Immunofluorescence analysis of Hela cells using CBX5 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Goat anti-Mouse IgG (H+L) DyLight 488 secondary antibody was used.



Immunohistochemistry-Paraffin: HP1 alpha Antibody (2H4E9) [NBP2-52420] - Analysis of colon cancer tissues using CBX5 mouse mAb with DAB staining.



ELISA: HP1 alpha Antibody (2H4E9) [NBP2-52420] - Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng).



Publications

Lazarchuk P, Nguyen MM, Curca CM et Al. Werner syndrome RECQ helicase participates in and directs maintenance of the protein complexes of constitutive heterochromatin in proliferating human cells Aging (Albany NY) 2024-10-31 [PMID: 39422615]

Mata-Garrido J, Xiang Y, Chang-Marchand Y et al. The Heterochromatin protein 1 is a regulator in RNA splicing precision deficient in ulcerative colitis Nature communications 2022-11-18 [PMID: 36400769] (WB, IHC-P, Human, Mouse)



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Products Related to NBP2-52420

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB100-2518PEP	HP1 alpha Antibody Blocking Peptide

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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