

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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NBP2-52420

HP1 alpha Antibody (2H4E9) - BSA Free

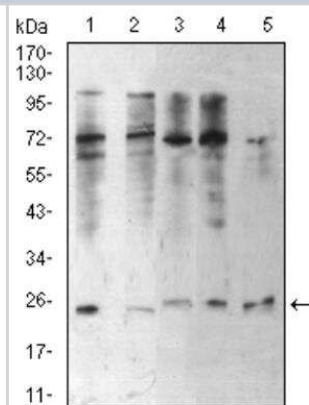
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2H4E9
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	22.2 kDa

Product Description	
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.

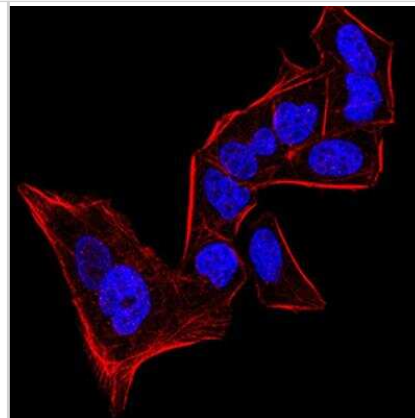
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:10000, Immunohistochemistry 1:200-1:1000, Immunocytochemistry/ Immunofluorescence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

Images

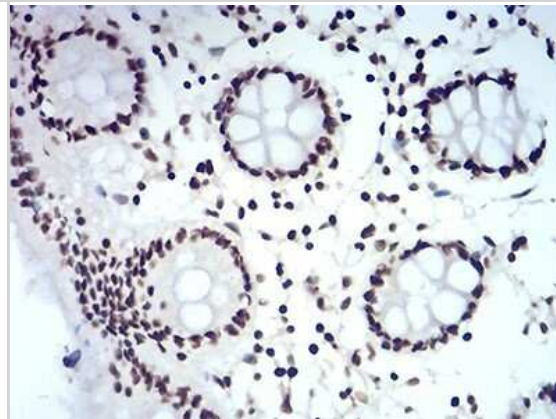
Western Blot: HP1 alpha Antibody (2H4E9) [NBP2-52420] - Analysis using HP1 mouse mAb against Hela (1), NIH/3T3 (2), K562 (3), MCF-7 (4), and A431 (5) cell lysate.



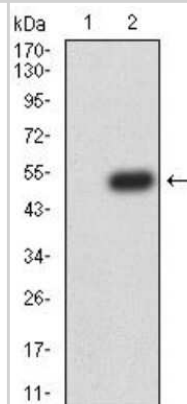
Immunocytochemistry/Immunofluorescence: HP1 alpha Antibody (2H4E9) [NBP2-52420] - Analysis of Hela cells using HP1 mouse mAb. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



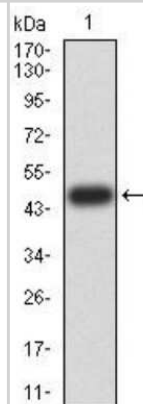
Immunohistochemistry-Paraffin: HP1 alpha Antibody (2H4E9) [NBP2-52420] - Analysis of colon tissues using CBX5 mouse mAb with DAB staining.



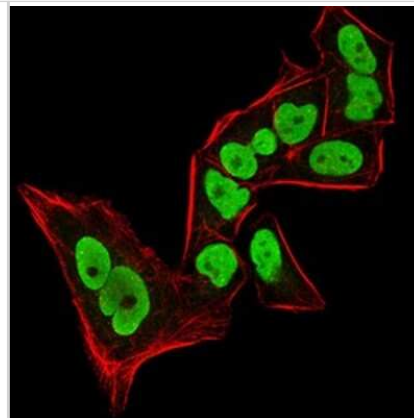
Western Blot: HP1 alpha Antibody (2H4E9) [NBP2-52420] - Analysis using CBX5 mAb against HEK293 (1) and CBX5 (AA: 1-191)-hlgGfc transfected HEK293 (2) cell lysate.



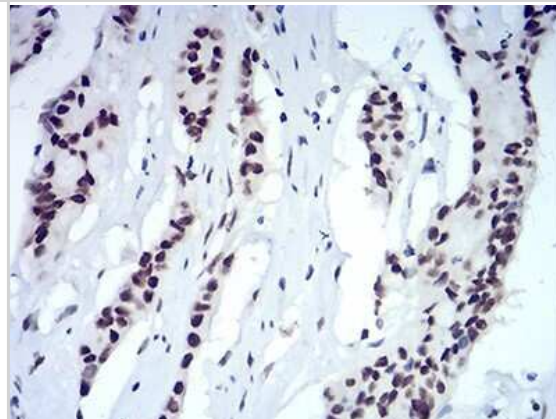
Western Blot: HP1 alpha Antibody (2H4E9) [NBP2-52420] - Analysis using CBX5 mAb against human CBX5 (AA: 1-191) recombinant protein. (Expected MW is 48.2 kDa)



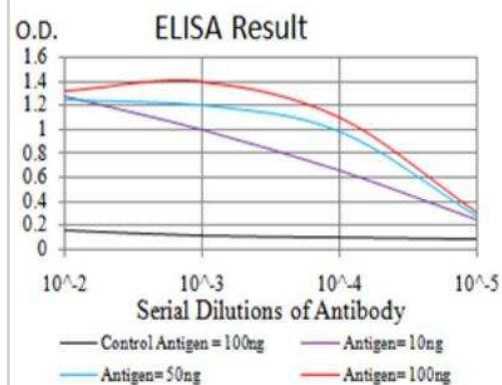
Immunocytochemistry/Immunofluorescence: HP1 alpha Antibody (2H4E9) [NBP2-52420] - Immunofluorescence analysis of HeLa cells using CBX5 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Goat anti-Mouse IgG (H+L) DyLight 488 secondary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

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

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