

# Product Datasheet

## HP1 Alpha, Beta, and Gamma Antibody - BSA Free NBP2-59154

Unit Size: 50 ug

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

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**NBP2-59154**

HP1 Alpha, Beta, and Gamma Antibody - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	50 ug
<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>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide and 0.05% ProClin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS

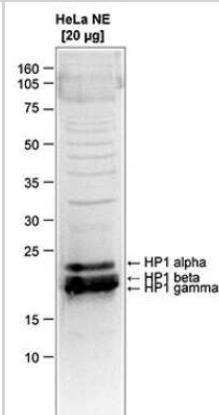
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit HP1 Alpha, Beta, and Gamma Antibody - BSA Free (NBP2-59154) is a polyclonal antibody validated for use in WB, ICC/IF and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	23468
<b>Gene Symbol</b>	CBX5
<b>Species</b>	Human, Mouse
<b>Immunogen</b>	The exact immunogen is proprietary information.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Chromatin Immunoprecipitation (ChIP)
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:500, Chromatin Immunoprecipitation (ChIP) 4 ug/IP

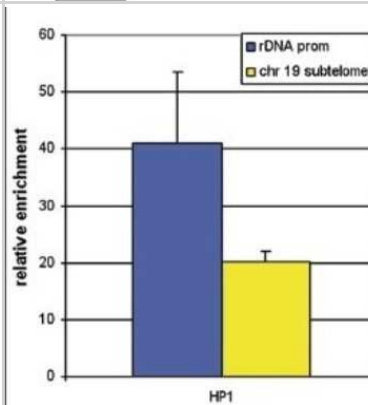


## Images

**Western Blot: HP1 Alpha, Beta, and Gamma Antibody [NBP2-59154]** - Western blot was performed on nuclear extracts from HeLa cells (20 ug) with the antibody against human HP1alpha,beta and gamma diluted 1:1,000 in TBS-Tween containing 5% skimmed milk. The molecular weight marker (kDa) is shown on the left; the expected location of HP1alpha, HP1beta and HP1gamma is indicated on the right.



**Chromatin Immunoprecipitation: HP1 Alpha, Beta, and Gamma Antibody [NBP2-59154]** - ChIP assays were performed using NIH3T3 cells and 4 ug of the antibody directed against HP1alpha,beta and gamma. QPCR was performed on the IP'd DNA with optimized primer sets for the rDNA promoter and for a subtelomeric sequence of chromosome 19. Figure shows the relative enrichment as compared to a no antibody negative control ChIP.



**Immunofluorescence: HP1 Alpha, Beta, and Gamma Antibody [NBP2-59154]** - HeLa cells were stained with the antibody against HP1alpha, beta and gamma; and with DAPI. Cells were fixed with 4% formaldehyde for 10 minutes and blocked with PBS/TX-100 containing 5% normal goat serum and 1% BSA. The cells were immunofluorescently labelled with the HP1alpha,beta and gamma antibody (left) diluted 1:500 in blocking solution followed by an anti-rabbit antibody conjugated to Alexa Fluor 488. The middle panel shows staining of the nuclei with DAPI. A merge of the two stainings is shown on the right.





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### **Products Related to NBP2-59154**

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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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