

# 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

Product Information	
Unit Size	50 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide and 0.05% ProClin 300
Isotype	IgG
Purity	Protein G purified
Buffer	PBS

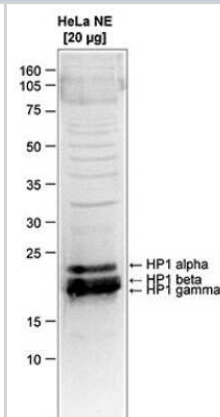
Product Description	
Description	Novus Biologicals Rabbit HP1 Alpha, Beta, and Gamma Antibody - BSA Free (NBP2-59154) is a polyclonal antibody validated for use in WB, ICC/IF and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	23468
Gene Symbol	CBX5
Species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

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

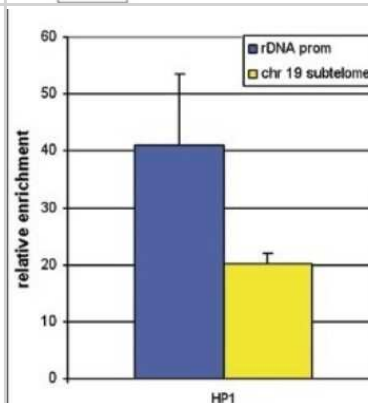


## Images

**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.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-  
techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

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

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
DHAPG0	Haptoglobin [HRP]

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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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