

Product Datasheet

HP1 alpha Antibody - BSA Free NB110-40623

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB110-40623

HP1 alpha Antibody - BSA Free

| Product Information | |
|---------------------|---------------------------------------|
| Unit Size | 100 ul |
| Concentration | 1.0 mg/ml |
| Storage | Store at 4C. Do not freeze. |
| Clonality | Polyclonal |
| Preservative | 0.09% Sodium Azide |
| Isotype | IgG |
| Purity | Immunogen affinity purified |
| Buffer | Tris-Citrate/Phosphate (pH 7.0 - 8.0) |

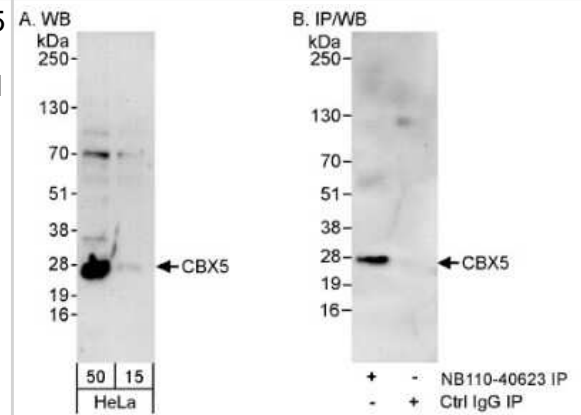
| Product Description | |
|---------------------|--|
| Description | Novus Biologicals Rabbit HP1 alpha Antibody - BSA Free (NB110-40623) is a polyclonal antibody validated for use in IHC, WB, IP and ChIP. Anti-HP1 alpha Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 23468 |
| Gene Symbol | CBX5 |
| Species | Human |
| Marker | Heterochromatin Marker |
| Immunogen | The immunogen recognized by this antibody maps to a region between residue 150 and the C-terminus (residue 191) of human Chromobox Homolog 5 using the numbering given in entry NP_036249.1 (GeneID 23468). |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP) |
| Recommended Dilutions | Western Blot 1:1000-1:10000, Immunohistochemistry 1:200-1:10000, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:200-1:10000, Chromatin Immunoprecipitation (ChIP) 1:10-1:500 |
| Application Notes | Chip, IP reactivity reported in (PMID: 23045645). Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. |

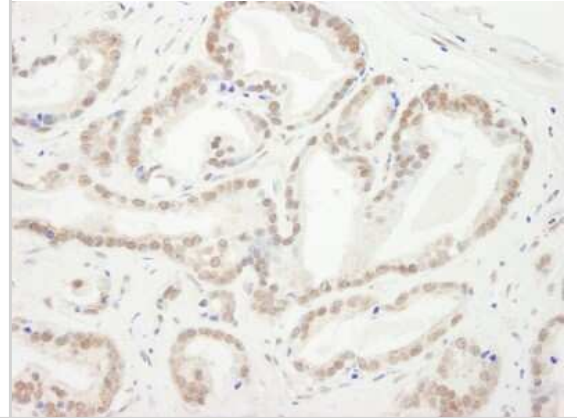


Images

Western Blot: HP1 alpha Antibody [NB110-40623] - Whole cell lysate (15 and 50 mcg for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. NB110-40623 used for WB at 0.1 mcg/ml (A) and 1 mcg/ml (B) and used for IP at 3 mcg/mg lysate (B).



Immunohistochemistry-Paraffin: HP1 alpha Antibody [NB110-40623] - Section of human prostate carcinoma. Antibody: Affinity purified rabbit anti-CBX5 used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB



Publications

Maram Quttina, Kacie D. Waiters, Ashfia Fatima Khan, Samaneh Karami, Anthony S. Peidl, Mariam Funmi Babajide, Justus Pennington, Fatima A. Merchant, Tasneem Bawa-Khalfe, Jian-Ying Wang, Xiao-Di Tan Exosc9 Initiates SUMO-Dependent lncRNA TERRA Degradation to Impact Telomeric Integrity in Endocrine Therapy Insensitive Hormone Receptor-Positive Breast Cancer Cells 2023-10-20 [PMID: 37887339]

Wang C, Zhang W, Chen X et al. The spreading of facultative H3K9me3-heterochromatin drives congenital disease bioRxiv 2023-08-14 (IP, Mouse)

Roworth AP, Carr SM, Liu G et al. Arginine methylation expands the regulatory mechanisms and extends the genomic landscape under E2F control Sci Adv 2019-06-01 [PMID: 31249870] (Chemotaxis, Human)

Bawa-Khalfe T. Isolation of In Vivo SUMOylated Chromatin-Bound Proteins. Methods Mol. Biol. 2016-09-16 [PMID: 27631808] (IP)

Zhu H, Ren S, Bitler BG et al. SPOP E3 Ubiquitin Ligase Adaptor Promotes Cellular Senescence by Degrading the SENP7 deSUMOylase. Cell Rep. 2015-11-10 [PMID: 26527005] (Chemotaxis, Human)

Bawa-Khalfe T, Lu LS, Zuo Y et al. Differential expression of SUMO-specific protease 7 variants regulates epithelial-mesenchymal transition Proc Natl Acad Sci U S A 2012-10-08 [PMID: 23045645] (Chemotaxis, IP, Human)



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 NB110-40623

| | |
|-------------|---|
| NBL1-08750 | HP1 alpha Overexpression Lysate |
| 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 |

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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