

Product Datasheet

CBX3 Antibody NB100-2418

Unit Size: 0.1 mg

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

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NB100-2418**CBX3 Antibody****Product Information**

Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description

Description	Novus Biologicals Goat CBX3 Antibody (NB100-2418) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-CBX3 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	11335
Gene Symbol	CBX3
Species	Human, Mouse
Specificity/Sensitivity	No cross-reactivity expected with HP1-alpha and HP1-beta. NP_009207.2 and NP_057671.2 represent same protein.
Immunogen	Peptide with sequence C-EAFLNSQKAGKEKD corresponding to internal region according to NP_057671.2.

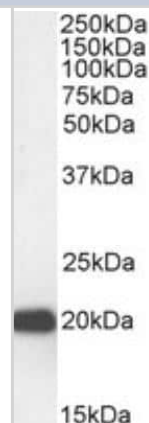
Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.3 - 1 ug/mL, Flow Cytometry 10 ug/mL, Immunohistochemistry 2 - 3 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin 2 - 3 ug/mL, Peptide ELISA Detection limit 1:32000

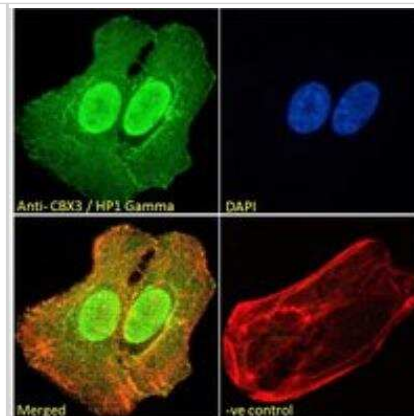
Images

Western Blot: CBX3 Antibody [NB100-2418] - Staining of NIH3T3 nuclear cell lysate (35 ug protein in RIPA buffer). Antibody at 0.1 ug/mL. Detected by chemiluminescence.

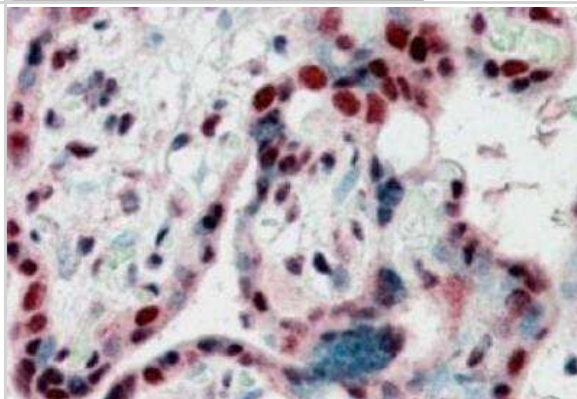
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150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa



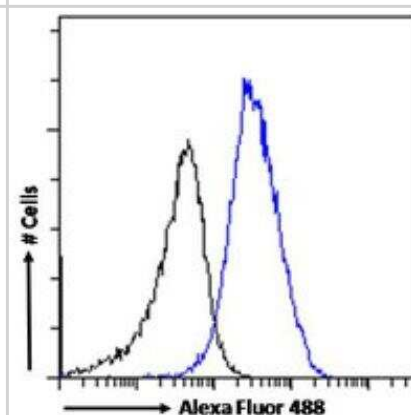
Immunocytochemistry/Immunofluorescence: CBX3 Antibody [NB100-2418] - Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong nuclear and some cytoplasmic staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



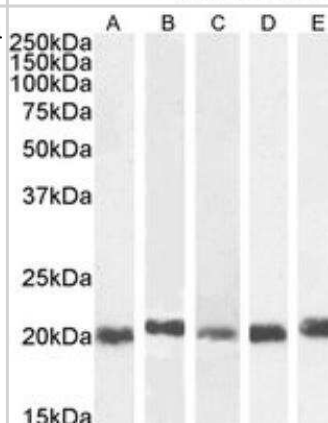
Immunohistochemistry-Paraffin: CBX3 Antibody [NB100-2418] - Staining of paraffin embedded Human Placenta. Antibody at 2.5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



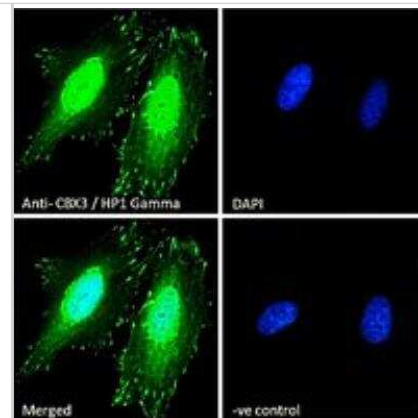
Flow Cytometry: CBX3 Antibody [NB100-2418] - Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Western Blot: CBX3 Antibody [NB100-2418] - Staining of A431 (A), HeLa (B), HepG2 (C), Jurkat (D) and K562 (E) nuclear cell lysate. 35 ug protein in RIPA buffer. Antibody at 0.03 ug/mL. Detected by chemiluminescence.



Immunocytochemistry/Immunofluorescence: CBX3 Antibody [NB100-2418] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong nuclear and some cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Publications

Vakoc CR, Mandat SA, Olenchok BA, Blobel GA. Histone H3 Lysine 9 Methylation and HP1gamma Are Associated with Transcription Elongation through Mammalian Chromatin. Mol Cell 2005-08-05 [PMID: 16061184]



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Products Related to NB100-2418

NBL1-08748	CBX3 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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