

# Product Datasheet

## CHD8 Antibody - BSA Free NB100-60417

Unit Size: 100 ul

Store at 4C. Do not freeze.

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### Publications: 7

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**NB100-60417**

CHD8 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)
Target Molecular Weight	290 kDa

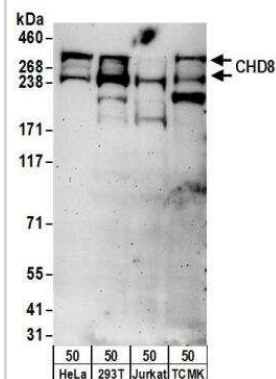
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit CHD8 Antibody - BSA Free (NB100-60417) is a polyclonal antibody validated for use in IHC, WB, ICC/IF, IP and ChIP. Anti-CHD8 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	57680
Gene Symbol	CHD8
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residue 325 and 350 of human chromodomain helicase DNA binding protein 8 (NP_065971.2).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:500-1:2000, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:500-1:2000, Chromatin Immunoprecipitation (ChIP) 1:10-1:500
Application Notes	Use in Immunocytochemistry/Immunofluorescence reported in scientific literature (PMID:33859315) Use in chromatin immunoprecipitation reported in scientific literature (PMID 25294932). Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

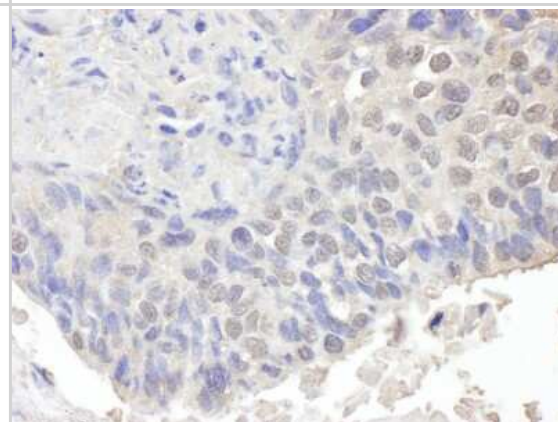


## Images

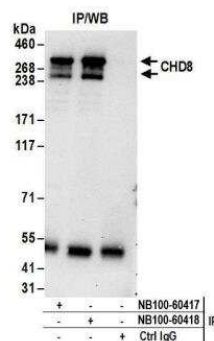
**Western Blot: CHD8 Antibody [NB100-60417] - Detection of Human and Mouse CHD8 by Western Blot.** Samples: Whole cell lysate (50 ug) from HeLa, 293T, Jurkat, and mouse TCMK-1 cells. Antibodies: Affinity purified rabbit anti-CHD8 antibody NB100-60417 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



**Immunohistochemistry-Paraffin: CHD8 Antibody [NB100-60417] - Section of human ovarian carcinoma.** Antibody: Affinity purified rabbit anti-CHD8 used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



**Immunoprecipitation: CHD8 Antibody [NB100-60417] - Detection of human CHD8 by western blot of immunoprecipitates.** Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-CHD8 antibody NB100-60417 used for IP at 6 ug/mg lysate. CHD8 was also immunoprecipitated by rabbit anti-CHD8 antibody NB100-60418. For blotting immunoprecipitated CHD8, NB100-60417 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



## Publications

Cerase A, Young AN, Ruiz NB et al. Chd8 regulates X chromosome inactivation in mouse through fine-tuning control of Xist expression Communications biology 2021-04-15 [PMID: 33859315] (Chemotaxis, ICC/IF, WB)

Sood S, Weber CM, Hodges HC et al. CHD8 dosage regulates transcription in pluripotency and early murine neural differentiation Proc. Natl. Acad. Sci. U.S.A. 2020-08-24 [PMID: 32839322] (KO, ICC/IF, WB, Mouse)

Kerschbamer E, Tripathi T, Erdin S, Salviato E CHD8 Suppression Impacts on Histone H3 Lysine 36 Trimethylation and Alters RNA Alternative Splicing. bioRxiv 2020-03-16 [PMID: 36537238] (WB, Human)

Wade A, Lim K, Catta-Preta R et al. CHD8 Regulates Cellular Homeostasis and Neuronal Function Genes Across Multiple Models of CHD8 Haploinsufficiency bioRxiv 2018-07-24 (Chemotaxis)

Wade AA, Lim K, Catta-Preta R, Nord AS. Common CHD8 Genomic Targets Contrast With Model-Specific Transcriptional Impacts of CHD8 Haploinsufficiency. Front Mol Neurosci 2018-01-14 [PMID: 30692911] (Chemotaxis, Mouse)

Platt RJ, Zhou Y, Slaymaker IM et al. Chd8 Mutation Leads to Autistic-like Behaviors and Impaired Striatal Circuits. Cell Rep. 2017-04-11 [PMID: 28402856] (Chemotaxis, Mouse)

Sugathan A, Biagioli M, Golzio C et al. CHD8 regulates neurodevelopmental pathways associated with autism spectrum disorder in neural progenitors. Proc Natl Acad Sci U S A 2014-10-21 [PMID: 25294932] (Chemotaxis, Human)





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### **Products Related to NB100-60417**

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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
NBP3-17355PEP	CHD8 Recombinant Protein Antigen

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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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