

# Product Datasheet

## CHD8 Antibody NB100-60418

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 5

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**NB100-60418**

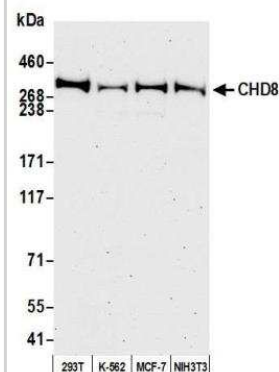
CHD8 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA
Target Molecular Weight	290 kDa
Product Description	
Host	Rabbit
Gene ID	57680
Gene Symbol	CHD8
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residue 2252 and 2302 of human chromodomain helicase DNA binding protein 8 (NP_065971.2).
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:200- 1:1000, Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:200-1:1000
Application Notes	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

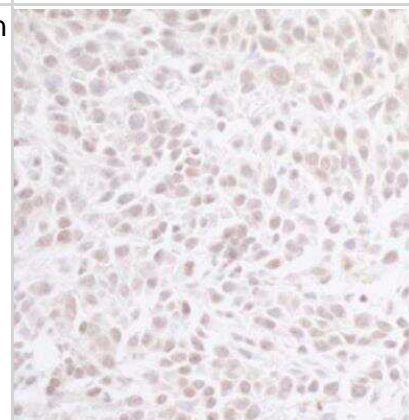


## Images

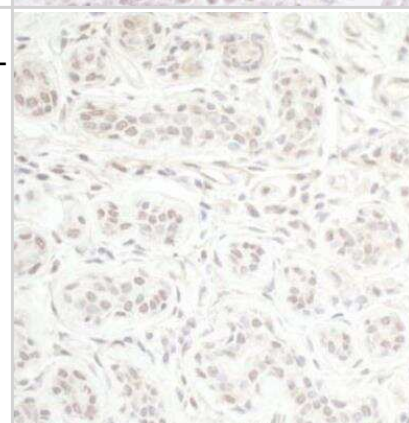
**Western Blot: CHD8 Antibody [NB100-60418]** - Detection of human and mouse CHD8 by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, K-562, MCF-7, and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified Rabbit anti-CHD8 antibody NB100-60418 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



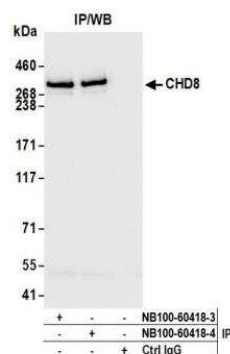
**Immunohistochemistry-Paraffin: CHD8 Antibody [NB100-60418]** - section of mouse CT26 colon carcinoma. Antibody: Affinity purified rabbit anti-CHD8 used at a dilution of 1:1000 (0.2ug/ml). Detection: DAB



**Immunohistochemistry-Paraffin: CHD8 Antibody [NB100-60418]** - Section of human breast carcinoma. Antibody: Affinity purified rabbit anti-CHD8 used at a dilution of 1:1000 (0.2ug/ml). Detection: DAB



**Immunoprecipitation: CHD8 Antibody [NB100-60418]** - Detection of human CHD8 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-CHD8 antibody NB100-60418 (lot NB100-60418-4) used for IP at 6 ul per reaction. CHD8 was also immunoprecipitated by a previous lot of this antibody (lot NB100-60418-3). For blotting immunoprecipitated CHD8, NB100-60418 was used at 0.1 ug/ml. Chemiluminescence with an exposure time of 1 second.



## Publications

Villa CE, Cheroni C, Dotter CP et al. CHD8 haploinsufficiency links autism to transient alterations in excitatory and inhibitory trajectories Cell reports 2022-04-05 [PMID: 35385734] (WB, Human)

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] (ICC/IF, KO, WB, 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] (IP)

Damaschke NA, Yang B, Blute ML et al. Frequent Disruption of Chromodomain Helicase DNA-Binding Protein 8 (CHD8) and Functionally Associated Chromatin Regulators in Prostate Cancer. Neoplasia. 2014-12-01 [PMID: 25499215] (IHC-P, Human)

Rodenberg JM, Hoggatt AM, Chen M et al. REGULATION OF SERUM RESPONSE FACTOR ACTIVITY AND SMOOTH MUSCLE CELL APOPTOSIS BY CHROMODOMAIN HELICASE DNA-BINDING PROTEIN 8. Am J Physiol Cell Physiol 2010-08-25 [PMID: 20739623]





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### **Products Related to NB100-60418**

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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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