

Product Datasheet

CHD8 Antibody NB100-60418

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Publications: 6

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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

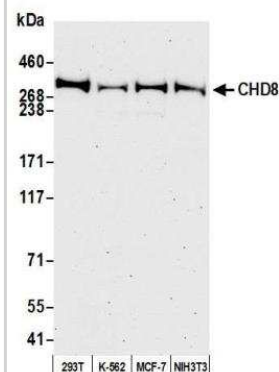
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit CHD8 Antibody (NB100-60418) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-CHD8 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	57680
Gene Symbol	CHD8
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residue 2252 and 2302 of human chromodomain helicase DNA binding protein 8 (NP_065971.2).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, 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.

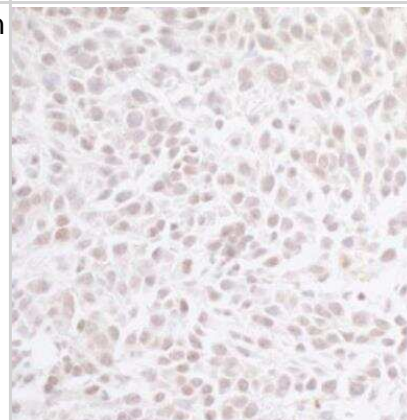


Images

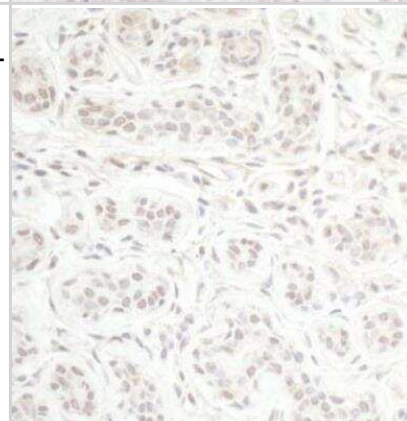
Western Blot: CHD8 Antibody [NB100-60418] - Detection of human and mouse CHD8 by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, K-562, MCF-7, and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified Rabbit anti-CHD8 antibody NB100-60418 used for WB at 0.1 ug/ml.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



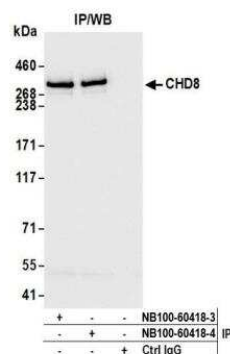
Immunohistochemistry-Paraffin: CHD8 Antibody [NB100-60418] - section of mouse CT26 colon carcinoma. Antibody: Affinity purified rabbit anti-CHD8 used at a dilution of 1:1000 (0.2ug/ml). Detection: DAB



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

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]

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

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

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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