

# Product Datasheet

## CHD3 Antibody (2G4) NBP1-51593

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-51593**

CHD3 Antibody (2G4)

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2G4
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Unpurified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	226 kDa

**Product Description**

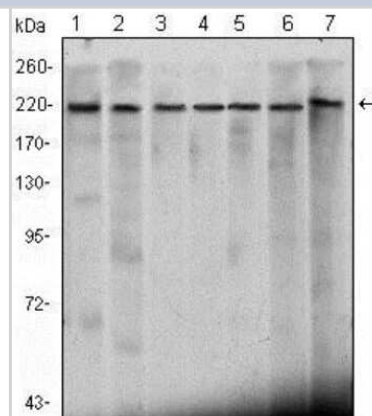
<b>Host</b>	Mouse
<b>Gene ID</b>	1107
<b>Gene Symbol</b>	CHD3
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
<b>Immunogen</b>	Purified recombinant fragment of human CHD3 expressed in E. Coli.

**Product Application Details**

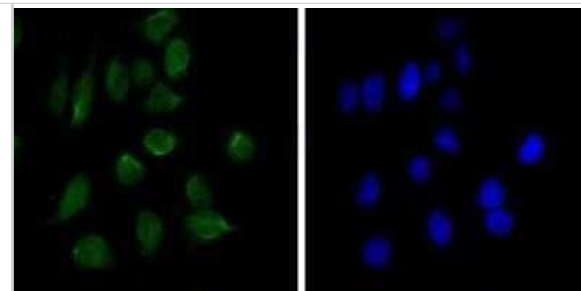
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000

**Images**

Western Blot: CHD3 Antibody (2G4) [NBP1-51593] - Western blot analysis using CHD3 mouse mAb against Hela (1), K562 (2), Jurkat (3), NTERA-2 (4), HEK293 (5), Raji (6) cell lysate and mouse brain (7) tissue lysate.



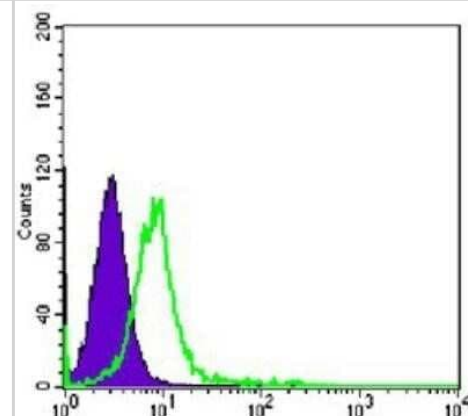
Immunocytochemistry/Immunofluorescence: CHD3 Antibody (2G4) [NBP1-51593] - Immunofluorescence analysis of Hela cells using CHD3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



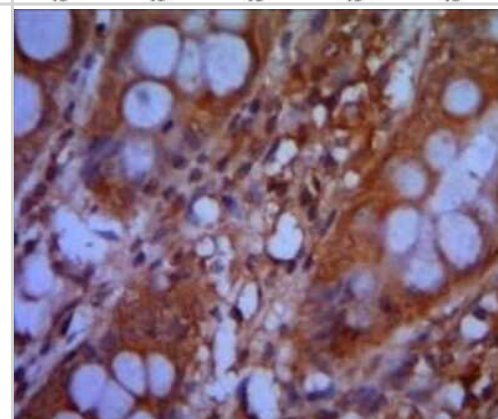
Immunohistochemistry: CHD3 Antibody (2G4) [NBP1-51593] - CHD3 is expressed in all neuronal cell types of the hippocampus. Mouse brain sections were immunostained with antibodies against CHD3 (red), Satb2 or GABA (green), and DNA was visualized by DAPI staining (blue). CHD3 is expressed by inhibitory GABAergic neurons. Image collected and cropped by CiteAb from the following publication ([journal.frontiersin.org/Article/10.3389/fnbeh.2015.00313/abstract](https://journal.frontiersin.org/Article/10.3389/fnbeh.2015.00313/abstract)), licensed under a CC-BY license.



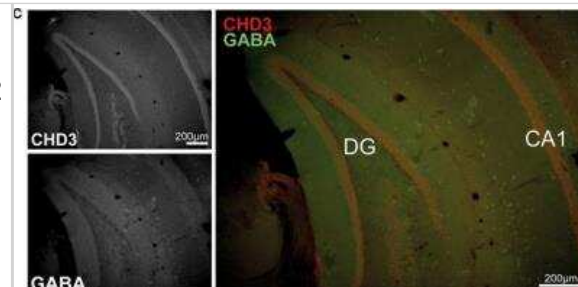
Flow Cytometry: CHD3 Antibody (2G4) [NBP1-51593] - Flow cytometric analysis of K562 cells using CHD3 mouse mAb (green) and negative control (purple).



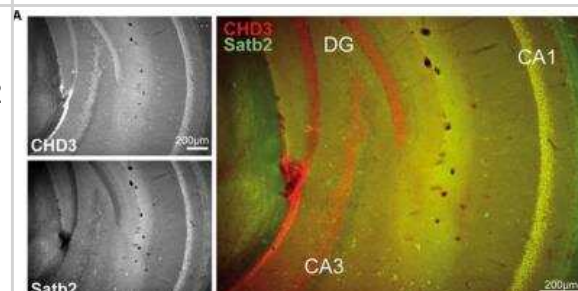
Immunohistochemistry-Paraffin: CHD3 Antibody (2G4) [NBP1-51593] - Immunohistochemical analysis of paraffin-embedded colon cancer tissues using CHD3 mouse mAb with DAB staining.



Immunohistochemistry: CHD3 Antibody (2G4) [NBP1-51593] - CHD3 is expressed in all neuronal cell types of the hippocampus. Mouse brain sections were immunostained with antibodies against CHD3 (red), Satb2 or GABA (green), and DNA was visualized by DAPI staining (blue). (C) Double staining for GABA and CHD3 in the vHC. Image collected and cropped by CiteAb from the following publication ([journal.frontiersin.org/Article/10.3389/fnbeh.2015.00313/abstract](https://journal.frontiersin.org/Article/10.3389/fnbeh.2015.00313/abstract)), licensed under a CC-BY license.



Immunohistochemistry: CHD3 Antibody (2G4) [NBP1-51593] - CHD3 is expressed in all neuronal cell types of the hippocampus. Mouse brain sections were immunostained with antibodies against CHD3 (red), Satb2 or GABA (green), and DNA was visualized by DAPI staining (blue). CHD3-positive cells are found in all layers of the ventral hippocampus. CHD3 is highly expressed in the dentate gyrus (DG), granulae cells and in the pyramidal cell layer of CA1-4. CHD3 colocalizes with Satb2-expressing excitatory neurons in the CA1. Image collected and cropped by CiteAb from the following publication ([journal.frontiersin.org/Article/10.3389/fnbeh.2015.00313/abstract](https://journal.frontiersin.org/Article/10.3389/fnbeh.2015.00313/abstract)), licensed under a CC-BY license.



## Publications

Wille A, Maurer V, Piatti P et al. Impaired Contextual Fear Extinction Learning is Associated with Aberrant Regulation of CHD-Type Chromatin Remodeling Factors. *Front Behav Neurosci* 2015-01-01 [PMID: 26635563] (ICC/IF)



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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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