

# Product Datasheet

## Menin Antibody - BSA Free

### NB100-215

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NB100-215**

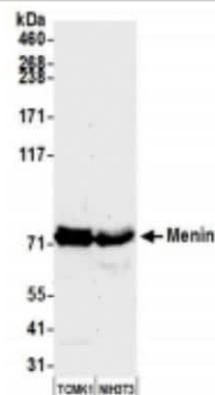
Menin Antibody - BSA Free

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	68 kDa
Product Description	
Host	Rabbit
Gene ID	4221
Gene Symbol	MEN1
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residue 575 and the C-terminus (residue 615) of human Multiple Endocrine Neoplasia 1 using the numbering given in entry NP_000235.2 (GeneID 4221).
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:10000 - 1:25000, Simple Western 1:100, Immunohistochemistry, Immunoprecipitation 2-10 ug/mg of lysate, Immunohistochemistry-Paraffin 1:500 - 1:2000
Application Notes	Epitope retrieval with Tris-EDTA pH9.0 is recommended for FFPE tissue sections.



## Images

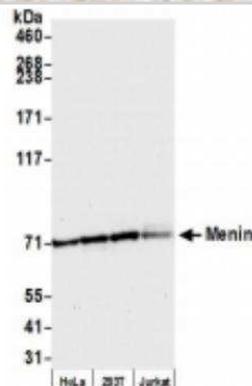
Western Blot: Menin Antibody [NB100-215] - Whole cell lysate (50 ug) from TCMK-1 and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Menin antibody used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



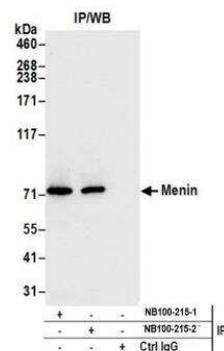
Immunohistochemistry-Paraffin: Menin Antibody [NB100-215] - Section of human lung carcinoma. Antibody: Affinity purified rabbit anti-Menin used at a dilution of 1:1,000 (1ug/ml). Detection: DAB.



Western Blot: Menin Antibody [NB100-215] - Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Menin antibody used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



Immunoprecipitation: Menin Antibody [NB100-215] - Detection of human Menin 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: Affinity purified rabbit anti-Menin antibody NB100-215 (lot 2) used for IP at 6 ug per reaction. Menin was also immunoprecipitated by a previous lot of this antibody (lot 1). For blotting immunoprecipitated Menin, NB100-215 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



## Publications

Xu S, Wu H, Wang X et al. Tumor suppressor menin mediates peripheral nerve injury-induced neuropathic pain through potentiating synaptic plasticity. *Neuroscience* 2012-10-01 [PMID: 22858595]

Veniaminova NA, Hayes MM, Varney JM et al. Conditional deletion of menin results in antral G cell hyperplasia and hypergastrinemia. *Am J Physiol Gastrointest Liver Physiol* 2012-09-01 [PMID: 22766853]

Luzi E, Marini F, Giusti F et al. The negative feedback-loop between the oncomir Mir-24-1 and menin modulates the Men1 tumorigenesis by mimicking the "Knudson's second hit". *PLoS One* 2012-01-01 [PMID: 22761894]

Agarwal SK, Jothi R. Genome-wide characterization of menin-dependent H3K4me3 reveals a specific role for menin in the regulation of genes implicated in MEN1-like tumors. *PLoS One* 2012-01-01 [PMID: 22666422]

Niu J, Mei F, Wang L et al. Phosphorylated olig1 localizes to the cytosol of oligodendrocytes and promotes membrane expansion and maturation. *Glia* 2012-09-01 [PMID: 22639060]

Wuescher L, Angevine K, Hinds T et al. Insulin regulates menin expression, cytoplasmic localization, and interaction with FOXO1. *Am J Physiol Endocrinol Metab* 2011-09-01 [PMID: 21693693]

Corbo V, Dalai I, Scardoni M et al. MEN1 in pancreatic endocrine tumors: analysis of gene and protein status in 169 sporadic neoplasms reveals alterations in the vast majority of cases. *Endocr Relat Cancer* 2010-08-01 [PMID: 20566584]

Shen HC, Ylaya K, Pechhold K et al. Multiple endocrine neoplasia type 1 deletion in pancreatic alpha-cells leads to development of insulinomas in mice. *Endocrinology* 2010-08-01 [PMID: 20555035]

Wu T, Zhang X, Huang X et al. Regulation of cyclin B2 expression and cell cycle G2/m transition by menin. *J Biol Chem* 2010-06-01 [PMID: 20404349]

Shen HC, He M, Powell A et al. Recapitulation of pancreatic neuroendocrine tumors in human multiple endocrine neoplasia type I syndrome via Pdx1-directed inactivation of Men1. *Cancer Res* 2009-03-01 [PMID: 19208834]

Gatta R, Mantovani R. NF-Y substitutes H2A-H2B on active cell-cycle promoters: recruitment of CoREST-KDM1 and fine-tuning of H3 methylations. *Nucleic Acids Res* 2008-11-01 [PMID: 18940868]

Mensah-Osman E, Zavros Y, Merchant JL et al. Somatostatin stimulates menin gene expression by inhibiting protein kinase A. *Am J Physiol Gastrointest Liver Physiol* 2008-10-01 [PMID: 18755809]

More publications at <http://www.novusbio.com/NB100-215>





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### **Products Related to NB100-215**

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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
H00004221-P02-10ug	Recombinant Human Menin GST (N-Term) Protein

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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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