

# Product Datasheet

## G9a/EHMT2 Antibody - BSA Free NB100-40825

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NB100-40825**

G9a/EHMT2 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)

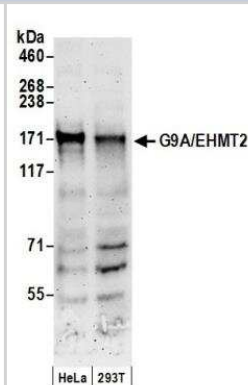
Product Description	
Host	Rabbit
Gene ID	10919
Gene Symbol	EHMT2
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 1160 and the C-terminus (residue 1210) of human G9A (Euchromatic Histone-Lysine N-methyltransferase 2) using the numbering given in entry NP_006700.2 (GeneID 10919).

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Western Blot (Negative)
Recommended Dilutions	Immunohistochemistry, Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:1000 -1:5000, Western Blot (Negative)
Application Notes	While trace amounts of G9A/EHMT2 can be immunoprecipitated by this antibody, the efficiency is very low. Epitope retrieval with Tris-EDTA pH9.0 is recommended for FFPE tissue sections.

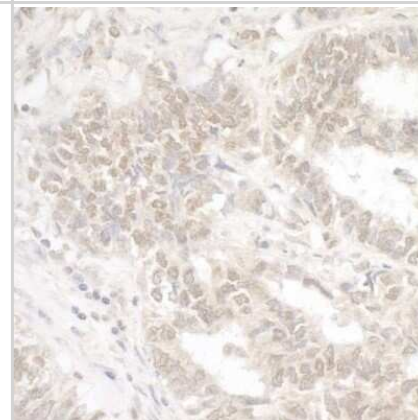


## Images

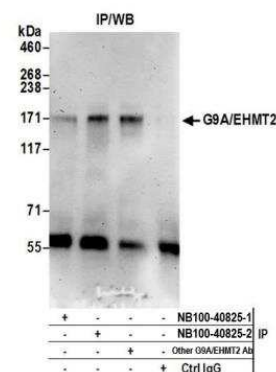
**Western Blot: G9a/EHMT2 Antibody [NB100-40825] - Detection of Human G9a/EHMT2 by Western Blot.** Samples: Whole cell lysate (50 ug) from HeLa and 293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-G9a/EHMT2 antibody NB100-40825 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



**Immunohistochemistry-Paraffin: G9a/EHMT2 Antibody [NB100-40825] - Section of human lung carcinoma.** Antibody: Affinity purified rabbit anti-G9a/EHMT2 used at a dilution of 1:5,000 (0.2ug/ml). Detection: DAB



**Immunoprecipitation: G9a/EHMT2 Antibody [NB100-40825] - Detection of human G9a/EHMT2 by western blot of immunoprecipitates.** Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-G9a/EHMT2 antibody NB100-40825 (lot NB100-40825-2) used for IP at 6 ug per reaction. G9a/EHMT2 was also immunoprecipitated by a previous lot of this antibody (NB100-40825-1) and another rabbit anti-G9a/EHMT2 antibody. For blotting immunoprecipitated G9a/EHMT2, NB100-40825 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



## Publications

Bantscheff M, Hopf C, Savitski MM et al. Chemoproteomics profiling of HDAC inhibitors reveals selective targeting of HDAC complexes. Nat Biotechnol. 2011-01-23 [PMID: 21258344]

Cho H-S, Kelly JD, Hayami S et al. Enhanced Expression of EHMT2 Is Involved in the Proliferation of Cancer Cells through Negative Regulation of SIAH1. Neoplasia;13(8):676-684. 2011-08-01 [PMID: 21847359]



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### **Products Related to NB100-40825**

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NBL1-10164	G9a/EHMT2 Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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