

Product Datasheet

PRMT6 Antibody NB100-56642

Unit Size: 0.2 ml

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

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NB100-56642

PRMT6 Antibody

Product Information	
Unit Size	0.2 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera with PBS and 0.05% BSA
Product Description	
Host	Rabbit
Gene ID	55170
Gene Symbol	PRMT6
Species	Human, Mouse
Immunogen	This antibody was developed a synthetic peptide corresponding to amino acids 23-43 (CEEDGAEREAALERPRRTKRER) of human PRMT6.
Product Application Details	
Applications	Western Blot, In vitro assay
Recommended Dilutions	Western Blot 1:500-1:1000, In vitro assay reported in scientific literature (PMID 29973649)

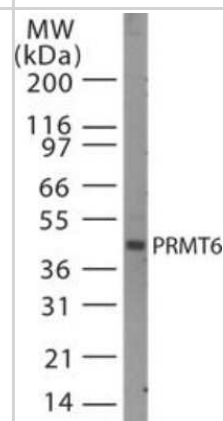


Images

Western Blot: PRMT6 Antibody [NB100-56642] - Mouse 4T1 cells and EMT6 cells whole cell lysate. Image from verified customer review.



Western Blot: PRMT6 Antibody [NB100-56642] - Analysis of PRMT6 in HeLa lysate using PRMT6 antibody at 1:500 dilution.



Publications

Khalil M, Ismail H, Panasyuk G et al. Asymmetric Dimethylation of Ribosomal S6 Kinase 2 Regulates Its Cellular Localisation and Pro-Survival Function International journal of molecular sciences 2023-05-15 [PMID: 37240151]

Wang Z, Pan Z, Adhikari S, et al. m6 A deposition is regulated by PRMT1-mediated arginine methylation of METTL14 in its disordered C-terminal region The EMBO journal 2021-01-18 [PMID: 33459381]

Zhang H, Han C, Li T et al. The methyltransferase PRMT6 attenuates antiviral innate immunity by blocking TBK1-IRF3 signaling. Cell. Mol. Immunol. 2018-07-04 [PMID: 29973649]

Kim JK, Lim Y, Lee JO et al. PRMT4 is involved in insulin secretion via methylation of histone H3 in pancreatic beta-cells J. Mol. Endocrinol. 2015-04-27 [PMID: 25917831] (WB, Human)

Details:

PRMT6 antibody was used for WB analysis of lysates from pancreatic beta-cell line/HIT-T15 b cells which was pre-incubated in KRBH buffer without glucose for 1 h and then stimulated for different time intervals with 16.7 mM glucose in KRBH buffer (Figure 1B).

Lorenzo AD, Yang Y, Macaluso M, Bedford MT. Gain-of-function mouse models to investigated biological roles of PRMT6. Nucleic Acids Res. 2014-06-17 [PMID: 24939901] (WB, Mouse, Human)

Details:

Fig 16B, human-PRMT6 transgenic & WT mouse embryo fibroblasts. The specificity of the PRMT6 was validated in PRMT6 transgenic cells by WB (Fig 16B).

Di Lorenzo A. Gain-of-function Mouse Models to Investigate Biological Roles of PRMT6. Thesis 2014-01-01 (WB, Human)

Guccione E, Bassi C, Casadio F et al. Methylation of histone H3R2 by PRMT6 and H3K4 by an MLL complex are mutually exclusive. *Nature*. 2007-10-18 [PMID: 17898714] (WB)

Details:

WB [Fig. 2a (PRMT6 SiRNA transfected HeLa cells), 2b (PRMT6 transfected HeLa cells), Sup Fig. 6 (PRMT6 SiRNA transfected HeLa cells)]. The antibody was SiRNA validated in Fig. 2a and PRMT6-transfected validated by western blot in Fig. 2b. Endogenous level

Fronz K, Otto S, Kolbel K et al. Promiscuous modification of the nuclear poly(A)-binding protein by multiple protein-arginine methyltransferases does not affect the aggregation behavior. *J Biol Chem*. 2008-07-18 [PMID: 18495660] (WB)

Details:

WB(HeLa cells), Fig. 5.

Lim Y, Hong E, Kwon D et al. Proteomic identification and comparative analysis of asymmetrically arginine-methylated proteins in immortalized, young and senescent cells. *Electrophoresis*. 2010-12-01 [PMID: 21080485] (WB)

Details:

WB: (immortalized WI-38 VA13 fibroblasts, normal young WI-38 fibroblasts, fully senescent WI-38 fibroblasts), Fig 1A, B. Note: Fully senescent cells were obtained by routinely subculturing young fibroblasts and then maintaining the replicatively growth-ar

Bulau P, Zakrzewicz D, Kitowska K et al. Analysis of methylarginine metabolism in the cardiovascular system identifies the lung as a major source of ADMA. *Am J Physiol Lung Cell Mol Physiol*. 2007-01-01 [PMID: 16891395]

Kim C, Lim Y, Yoo BC et al. Regulation of post-translational protein arginine methylation during HeLa cell cycle. *Biochim Biophys Acta*. 2010-09-01 [PMID: 20541591] (WB)

Details:

WB (HeLa), Fig 2A

Lim Y, Kwon YH, Won NH et al. Multimerization of expressed protein-arginine methyltransferases during the growth and differentiation of rat liver. *Biochim Biophys Acta*. 2005-05-25 [PMID: 15837430]

More publications at <http://www.novusbio.com/NB100-56642>



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Products Related to NB100-56642

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB100-56642PEP	PRMT6 Antibody Blocking Peptide

Limitations

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