

Rabbit anti-Human PRMT6 Polyclonal Antibody | anti-PRMT6 antibody

Anti-PRMT6 Antibody, Rabbit Polyclonal

CATALOG # AAA255400	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

PRMT6; Polyclonal Antibody; Anti-PRMT6 Antibody; Rabbit Polyclonal; PRMT6/HRMT1L6 Antibody; Rabbit PAb; Antigen Affinity Purified; protein arginine methyltransferase 6; Anti-HRMT1L6 Antibody; anti-PRMT6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PRMT6/HRMT1L6
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PRMT6 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Recombinant Human PRMT6 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human PRMT6 (rh PRMT6). PRMT6 specific IgG was purified by human PRMT6 affinity chromatography .
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-PRMT6 rabbit polyclonal antibody at 1:500 dilution Lane A: 293T Whole Cell Lysate Lane B: MCF7 Whole Cell Lysate Lane C: Hela Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 42 kDa Observed band size: 42 kDa



IP (Immunoprecipitation)

PRMT6 was immunoprecipitated using: Lane A: 0.5 mg MCF-7 Whole Cell Lysate Lane B: 0.5 mg 293T Whole Cell Lysate Lane C: 0.5 mg Hela Whole Cell Lysate 2 uL anti-PRMT6 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-PRMT6 rabbit polyclonal antibody, at 1:200 dilution Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:500 dilution Developed using the DAB staining technique. Performed under reducing conditions. Predicted band size: 42 kDa Observed band size: 42 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PRMT6 antibody	Protein arginine N-methyltransferase 6, also known as Histone-arginine N-methyltransferase PRMT6, PRMT6, and HRMT1L6, is a member of the protein arginine N-methyltransferase family and PRMT6 subfamily. PRMT6 is highly expressed in kidney and testes. PRMT6 is known to catalyze the generation of asymmetric dimethylarginine in polypeptides. It has been implicated in human immunodeficiency virus pathogenesis, DNA repair, and transcriptional regulation. PRMT6 is known to methylate histone H3 Arg-2 (H3R2), and this negatively regulates the lysine methylation of H3K4 resulting in gene repression. PRMT6 plays a key role in coupling process by functioning as a transcriptional coactivator that can regulate alternative splicing. PRMT6 coactivates the progesterone, glucocorticoid and oestrogen receptors in luciferase reporter assays in a hormone-dependent manner. Small interfering RNA (siRNA) oligonucleotide duplex knockdown of PRMT6 disrupts oestrogen-stimulated transcription of endogenous GREB1 and progesterone receptor in MCF-7 breast cancer cells. Neutralizing the activity of PRMT6 could inhibit tumor progression and may be of cancer therapeutic significance.
References	Hyllus D, et al., 2007, Genes Dev. 21(24): 3369-80. Lakowski, TM. et al., 2008, J Biol Chem. 283 (15): 10015-25. Michaud-Levesque, J. et al., 2009, J Biol Chem. 284 (32): 21338-46. Harrison, MJ. et al., 2010, Nucleic acids Res. Jan 4.

NCBI AND UNIPROT INFORMATION

NCBI GI #	227908867
NCBI GeneID	55170
NCBI Accession #	NP_060607.2
NCBI GenBank Nucleotide #	NM_018137.2
UniProt Accession #	Q96LA8; Q5T5Y5; Q6DKI4; Q9NVR8; A3KME1; B4DID8
Molecular Weight	32,509 Da
NCBI Official Full Name	protein arginine N-methyltransferase 6
NCBI Official Synonym Full Names	protein arginine methyltransferase 6
NCBI Official Symbol	PRMT6
NCBI Official Synonym Symbols	HRMT1L6
NCBI Protein Information	protein arginine N-methyltransferase 6; HMT1 hnRNP methyltransferase-like 6; histone-arginine N-methyltransferase PRMT6; heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 6
UniProt Protein Name	Protein arginine N-methyltransferase 6
UniProt Gene Name	PRMT6
UniProt Synonym Gene Names	HRMT1L6
UniProt Entry Name	ANM6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prmt6-antibody-immunoprecipitation-western-blot-elisa/255400>