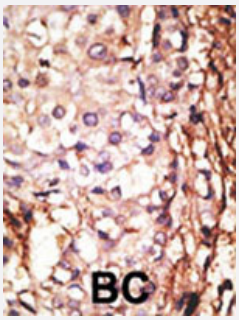
PRMT6 polyclonal antibody

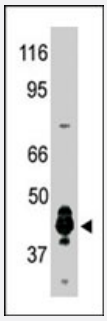
Catalog # PAB2176 Size 400 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.



Western Blot (Tissue lysate)

The PRMT6 polyclonal antibody (Cat # PAB2176) was used to detect human PRMT6 protein in human brain extract in a Western blot analysis.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PRMT6.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PRMT6.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation

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Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — PRMT6

Entrez GeneID	55170
Protein Accession#	AY043278
Gene Name	PRMT6
Gene Alias	FLJ10559, HRMT1L6
Gene Description	protein arginine methyltransferase 6
Omim ID	608274
Gene Ontology	Hyperlink
Gene Summary	Protein arginine N-methyltransferases, such as PRMT6, catalyze the sequential transfer of a meth yl group from S-adenosyl-L-methionine to the side chain nitrogens of arginine residues within prot eins to form methylated arginine derivatives and S-adenosyl-L-homocysteine.[supplied by OMIM
Other Designations	HMT1 hnRNP methyltransferase-like 6|protein arginine N-methyltransferase 6

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Publication Reference

- mSin3A/histone deacetylase 2- and PRMT5-containing Brg1 complex is involved in transcriptional repression of the Myc target gene cad.

  Pal S, Yun R, Datta A, Lacomis L, Erdjument-Bromage H, Kumar J, Tempst P, Sif S.

  Molecular and Cellular Biology 2003 Nov; 23(21):7475.

- The novel human protein arginine N-methyltransferase PRMT6 is a nuclear enzyme displaying unique substrate specificity.

  Frankel A, Yadav N, Lee J, Branscombe TL, Clarke S, Bedford MT.

  The Journal of Biological Chemistry 2001 Nov; 277(5):3537.

- Prmt5, which forms distinct homo-oligomers, is a member of the protein-arginine methyltransferase family.

  Rho J, Choi S, Seong YR, Cho WK, Kim SH, Im DS.

  The Journal of Biological Chemistry 2001 Jan; 276(14):11393.

Disease

- Acquired Immunodeficiency Syndrome
- Disease Progression
- Genetic Predisposition to Disease
- HIV Seropositivity

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