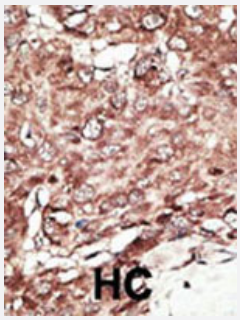
PRMT7 polyclonal antibody

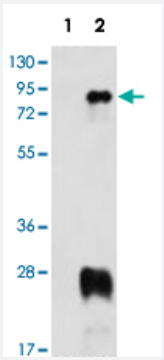
Catalog # PAB2178 Size 400 uL

Applications



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

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



Western Blot (Transfected lysate)

Western blot analysis of PRMT7 (arrow) using PRMT7 polyclonal antibody (Cat # PAB2178).
293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PRMT7 gene (Lane 2).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PRMT7.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PRMT7.
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

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Gene Info — PRMT7

Entrez GeneID	54496
Protein Accession#	NP_061896
Gene Name	PRMT7
Gene Alias	FLJ10640, KIAA1933
Gene Description	protein arginine methyltransferase 7
Omim ID	610087
Gene Ontology	Hyperlink
Gene Summary	Arginine methylation is an apparently irreversible protein modification catalyzed by arginine methy ltransferases, such as PMT7, using S-adenosylmethionine (AdoMet) as the methyl donor. Arginin e methylation is implicated in signal transduction, RNA transport, and RNA splicing (Miranda et al. , 2004 [PubMed 15044439]).[supplied by OMIM
Other Designations	protein arginine N-methyltransferase 7

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Publication Reference

- PRMT7, a new protein arginine methyltransferase that synthesizes symmetric dimethylarginine.

  Lee JH, Cook JR, Yang ZH, Mirochnitchenko O, Gunderson SI, Felix AM, Herth N, Hoffmann R, Pestka S.

  The Journal of Biological Chemistry 2005 Feb; 280(5):3656.

- PRMT7 is a member of the protein arginine methyltransferase family with a distinct substrate specificity.

  Miranda TB, Miranda M, Frankel A, Clarke S.

  The Journal of Biological Chemistry 2004 May; 279(22):22902.

- 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.

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