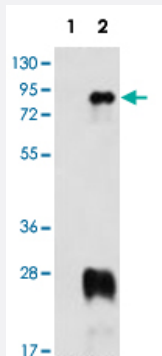


PRMT7 polyclonal antibody

Catalog # PAB2178

Size 400 uL

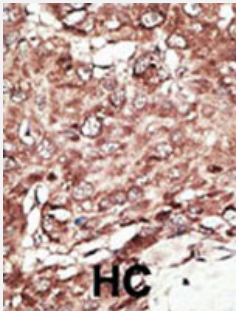
Applications



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).



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.

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

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 should 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 methyltransferases, such as PMT7, using S-adenosylmethionine (AdoMet) as the methyl donor. Arginine 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

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.