

Datasheet for ABIN2778654
anti-PRMT5 antibody (N-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	PRMT5
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Horse, Rabbit, Cow, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRMT5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PRMT5
Sequence:	FDFLCMPVFH PRFKREFIQE PAKNRPGPQT RSDLLLSGRD WNTLIVGKLS
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against PRMT5. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	PRMT5
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Target Details

Alternative Name:	PRMT5 (PRMT5 Products)
Background:	<p>PRMT5 methylates specific arginine residues in the small nuclear ribonucleoproteins Sm D1 and Sm D3 to monomethylarginine and to symmetrical dimethylarginines (sDMAs). It methylates SUPT5H. PRMT5 plays a role in the assembly of snRNP core particles and may play a role in cytokine-activated transduction pathways. It negatively regulates cyclin E1 promoter activity and cellular proliferation and May regulate the SUPT5H transcriptional elongation properties. It may be part of a pathway that is connected to a chloride current, possibly through cytoskeletal rearrangement. PRMT5 methylates histone H2A/H4 'Arg-3' during germ cell development and methylates histone H3 'Arg-8', which may repress transcription.</p> <p>Alias Symbols: JBP1, SKB1, IBP72, SKB1Hs, HRMT1L5</p> <p>Protein Interaction Partner: UBC, TP53, ING2, PRDM1, NFE4, WDR5, SUMO2, WWOX, CDYL2, LENG8, LDHAL6B, PRPF38A, ING5, ZNF436, WDR77, GRHL3, TRIB3, RSRP1, LUC7L, RBM23, GTPBP2, H3F3C, FOXK1, ZUFSP, FAM76B, NUDCD2, MAGEB2, NELFCD, COPS4, COPS7A, DCAF8, SPAG8, SLU7, MCRS1, CUL4A, ZNF2, YW</p> <p>Protein Size: 620</p>
Molecular Weight:	68 kDa
Gene ID:	10419
NCBI Accession:	NM_001039619 , NP_001034708
UniProt:	O14744
Pathways:	Chromatin Binding , Regulation of Muscle Cell Differentiation , Ribonucleoprotein Complex Subunit Organization , Skeletal Muscle Fiber Development

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 620 AA
Restrictions:	For Research Use only

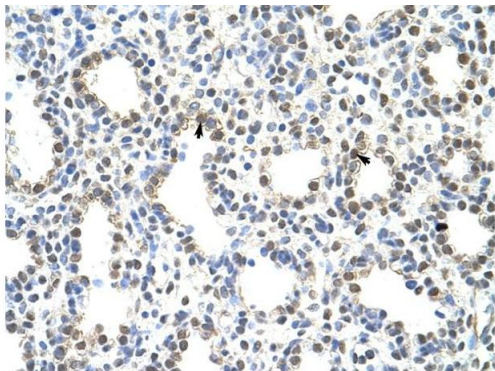
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

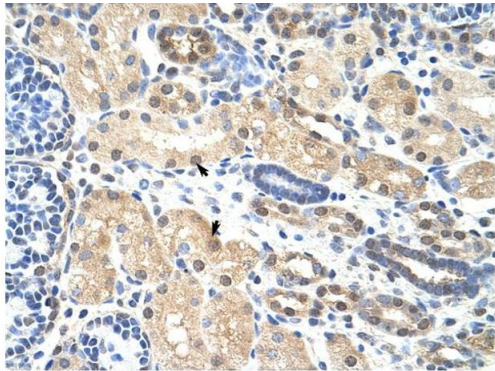
Images



Rabbit Anti-PRMT5 Antibody
Catalog Number: ARP40185
Lot Number: QC9992
Paraffin Embedded Tissue: Human Lung
Cells with Positive label: Alveolar cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 1. Rabbit Anti-PRMT5 Antibody Paraffin Embedded Tissue: Human Lung Cellular Data: Alveolar cells Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Rabbit Anti-PRMT5 Antibody
Catalog Number: ARP40185
Lot Number: QC9992
Paraffin Embedded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Rabbit Anti-PRMT5 Antibody Paraffin Embedded Tissue: Human Kidney Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Western Blotting

Image 3. WB Suggested Anti-PRMT5 Antibody Titration: 2.5ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate PRMT5 is supported by BioGPS gene expression data to be expressed in Jurkat