

Datasheet for ABIN7165083
anti-PRMT7 antibody (AA 285-390)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	PRMT7
Binding Specificity:	AA 285-390
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRMT7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Protein arginine N-methyltransferase 7 protein (285-390AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	PRMT7
Alternative Name:	PRMT7 (PRMT7 Products)
Background:	Background: Arginine methyltransferase that can both catalyze the formation of omega-N monomethylarginine (MMA) and symmetrical dimethylarginine (sDMA), with a preference for

Target Details

the formation of MMA. Specifically mediates the symmetrical dimethylation of arginine residues in the small nuclear ribonucleoproteins Sm D1 (SNRPD1) and Sm D3 (SNRPD3), such methylation being required for the assembly and biogenesis of snRNP core particles. Specifically mediates the symmetric dimethylation of histone H4 Arg-3 to form H4R3me2s. Plays a role in gene imprinting by being recruited by CTCFL at the H19 imprinted control region (ICR) and methylating histone H4 to form H4R3me2s, possibly leading to recruit DNA methyltransferases at these sites. May also play a role in embryonic stem cell (ESC) pluripotency. Also able to mediate the arginine methylation of histone H2A and myelin basic protein (MBP) in vitro, the relevance of such results is however unclear in vivo.

Aliases: [Myelin basic protein]-arginine N-methyltransferase PRMT7 antibody, ANM7_HUMAN antibody, FLJ10640 antibody, Histone-arginine N-methyltransferase PRMT7 antibody, KIAA1933 antibody, Myelin basic protein arginine N methyltransferase antibody, OTTHUMP00000174863 antibody, PRMT7 antibody, Protein arginine methyltransferase 7 antibody, Protein arginine N-methyltransferase 7 antibody

UniProt: [Q9NVM4](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

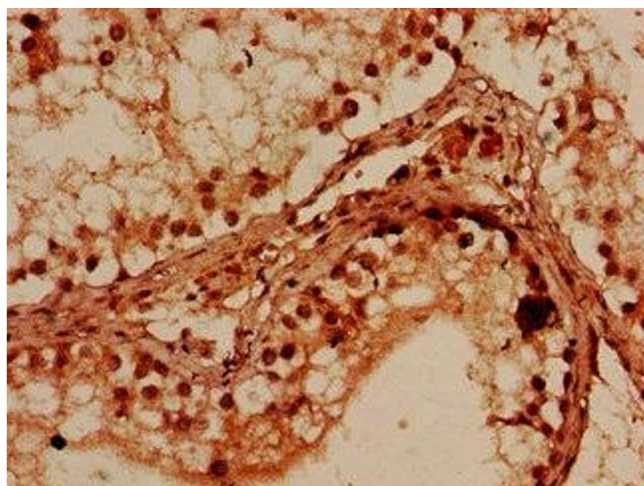
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

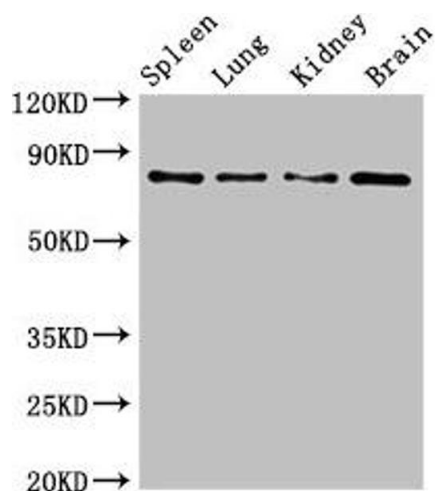
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



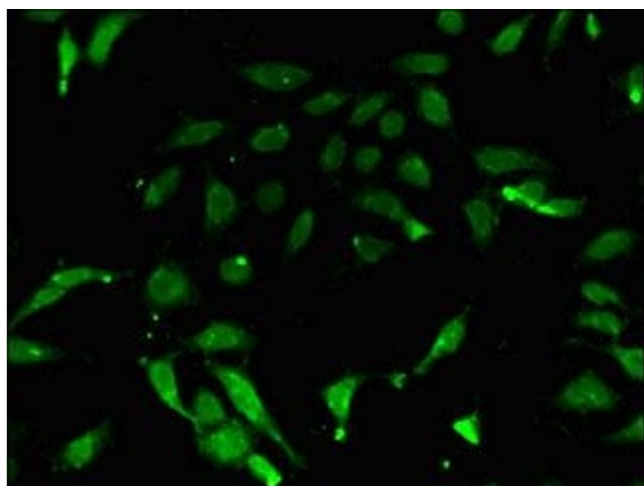
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7165083 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: Mouse spleen tissue, Mouse lung tissue, Mouse kidney tissue, Mouse brain tissue All lanes: PRMT7 antibody at 6.2 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 79, 63, 74, 64 kDa Observed band size: 79 kDa



Immunofluorescence

Image 3. Immunofluorescent analysis of HeLa cells using ABIN7165083 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)