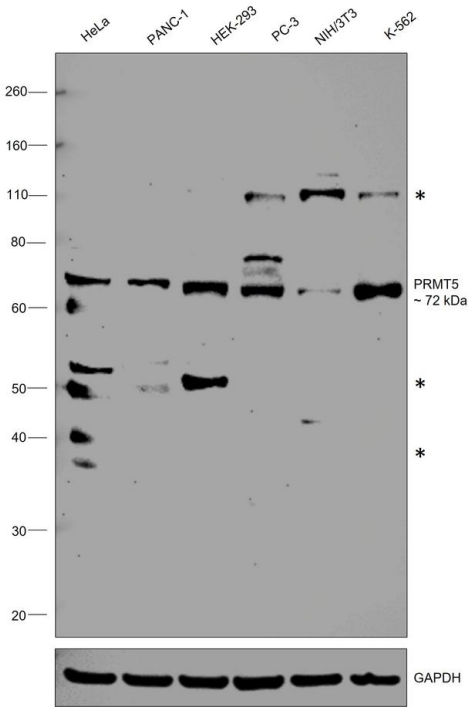


PRMT5 Monoclonal Antibody (7-C2)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	7-C2
Conjugate	Unconjugated
Immunogen	Synthetic peptide within Human PRMT5 aa 1-50
Form	Liquid
Concentration	2 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 40% Glycerol, 0.2% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2802494

Applications	Tested Dilution	Publications
Western Blot (WB)	1:100-1:200	-
Immunohistochemistry (IHC)	1:100-1:200	-
Immunocytochemistry (ICC/IF)	1:100	-

Product Images For PRMT5 Monoclonal Antibody (7-C2)

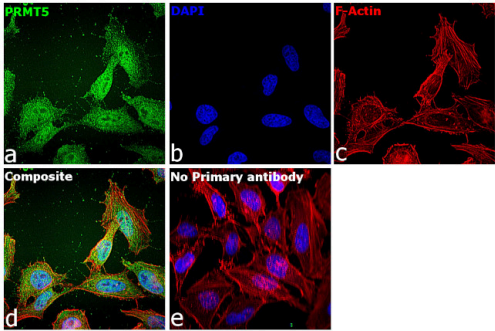


PRMT5 Antibody (MA5-32847) in WB

Western blot was performed using Anti-PRMT5 Monoclonal Antibody (7-C2) (Product # MA5-32847) and a 72 kDa band corresponding to PRMT5 was observed across all cell lysates tested. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), PANC-1 (Lane 2), HEK-293 (Lane 3), PC-3 (Lane 4), NIH/3T3 (Lane 5) and K-562 (Lane 6) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1: 500 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:10000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580). Uncharacterized bands (*) were observed at ~110 kDa, ~50 kDa and ~40 kDa in some cell lines.

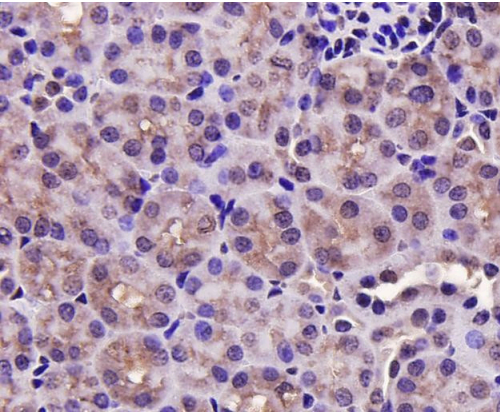
PRMT5 Antibody (MA5-32847) in ICC/IF

Immunofluorescence analysis of PRMT5 was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with PRMT5 Monoclonal Antibody (7-C2) (Product # MA5-32847) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with Hoechst 33342 (Product # H1399). F-actin (Panel c: Red) was stained with Alexa Fluor™ Plus 647 Phalloidin (Product # A30107, 1:2000 dilution). Panel d represents the merged image showing cytoplasm localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 40X magnification in CellInsight CX7 LZR High-Content Screening (HCS) Platform (Product # CX7A1110LZR) and externally deconvoluted (D.Sage et al. / Methods 115 (2017) 28–41).



PRMT5 Antibody (MA5-32847) in IHC (P)

Immunohistochemical analysis of PRMT5 of paraffin-embedded Mouse kidney tissue using a PRMT5 Monoclonal antibody (Product #MA5-32847). Counter stained with hematoxylin.



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