

# PRMT1 Monoclonal Antibody (GT779)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	GT779
Conjugate	Unconjugated
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human PRMT1. The exact sequence is proprietary.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2735330

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-

## Product Specific Information

Positive Control: Neuro2A, GL261, NIH-3T3, Raw264.7, C2C12, 293T, A431, HeLa, HepG2

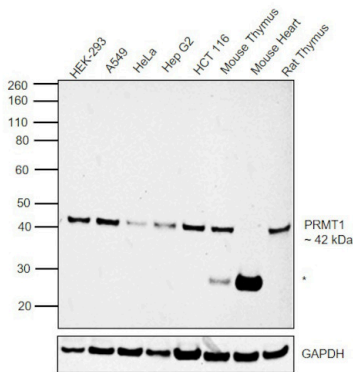
Predicted Reactivity: Rat (100%), Xenopus laevis (100%), Bovine (100%)

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For PRMT1 Monoclonal Antibody (GT779)

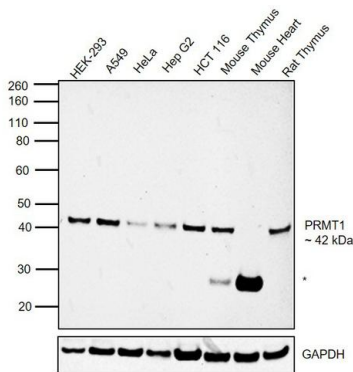
PRMT1 Antibody (MA5-27756)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues tested owing to their inherent genetic constitution. Relative expression of PRMT1 was observed in Mouse Thymus that expresses PRMT1 at high levels, compared to Mouse Heart that expresses PRMT1 at very low levels using Anti-PRMT1 Mouse Monoclonal Antibody (Product # MA5-27756) in Western Blot. {RE}



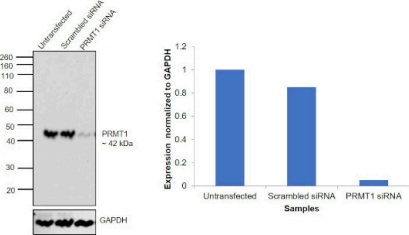
PRMT1 Antibody (MA5-27756) in WB

Western blot was performed using Anti-PRMT1 Mouse Monoclonal Antibody (Product # MA5-27756) and a 42 kDa band corresponding to PRMT1 was observed in cell lines and tissues tested except Mouse Heart which is reported to be negative. Whole cell extracts (30 µg lysate) of HEK-293 (Lane 1), A549 (Lane 2), HeLa (Lane 3), Hep G2 (Lane 4), HCT 116 (Lane 5), Mouse Thymus (Lane 6), Mouse Heart (Lane 7) and Rat Thymus (Lane 8) were electrophoresed using Novex® 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 (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). A 25 kDa band (\*) corresponding to circulating tissue IgG was observed in mouse tissues.



PRMT1 Antibody (MA5-27756)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HCT 116 cells were transfected with PRMT1 siRNA and reduction of signal was observed in Western Blot using PRMT1 Monoclonal Antibody (Product # MA5-27756). {KD}



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