

Anti-PRMT3 Recombinant Mouse Monoclonal Antibody

Publication Part no. MAN0006765

Rev. 1.00

Catalog Number: 730020

Store at 2° to 8°C (short-term), or -20°C (long-term)

Clonality: Monoclonal
Concentration: 0.5 mg/mL
Quantity: 100 µg
Volume: 200 µL

Host/Class: Mouse IgG1
Reactivity: Human PRMT3
Predicted Reactivity: Human

Product Description

PRMT3 (protein arginine methyltransferase 3) is one of four type I arginine methyltransferases that catalyzes the formation of asymmetric dimethylarginine residues. Protein arginine methyltransferases mediate the AdoMet-dependent methylation of many proteins, including RNA binding proteins involved in various aspects of RNA processing and/or transport. Methylation of arginine has been implicated in signal transduction, nuclear transport, and transcription regulation. PRMT3 is unique in that its N-terminus harbours a C2H2 zinc-finger domain that putatively confers substrate specificity, and is the only type I enzyme that is restricted to the cytoplasm.

This antibody was developed against a fully folded protein domain, so it does not show good reactivity against denatured proteins, and may not work in western blot applications.

Product Specifications

Immunogen: Folded protein domain corresponding to amino acids 228–548 of human PRMT3
Alternate Names: HRMT1L3
Apparent MW: ~62 kDa
Gene ID: 10196
Protein Accession No.: Q8WUV3
Sequence Identity: Human
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Immuno precipitation	Human	HEK293 cells	2 mg per IP
Western blotting	Human	HEK293 cells	0.5–1 mg/mL

Storage and Handling

Store the antibody at 2 to 8°C for up to 1 month, -20°C for long storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

Caution: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

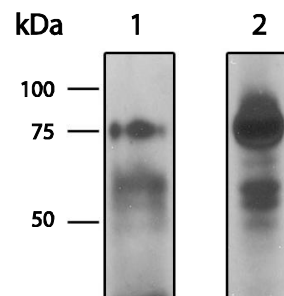


Figure 1 Immunoprecipitation analysis of Anti-PRMT3 Recombinant Mouse Monoclonal Antibody (Cat. no. 730020).

Immunoprecipitation analysis was performed on HEK293 cells overexpressing flag tagged PRMT3 protein. Western blot using anti-flag antibody was performed on the raw lysate (lane 1), and samples immunoprecipitated with Anti-PRMT3 Recombinant Mouse Monoclonal Antibody (lane 2).

For research use only. Not for human or animal therapeutic or diagnostic use.

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




Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), visit www.lifetechnologies.com/support.

Related Products

Product Name	Quantity	Catalog no.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

Limited Product Warranty

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