

ARG45222 anti-PRMT3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PRMT3
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	PRMT3
Species	Human
Immunogen	Recombinant protein containing to human PRMT3.
Conjugation	Un-conjugated
Alternate Names	PRMT3; Protein Arginine Methyltransferase 3; HRMT1L3; Heterogeneous Nuclear Ribonucleoprotein Methyltransferase-Like Protein 3; Protein Arginine N-Methyltransferase 3; HMT1 HnRNP Methyltransferase-Like 3 (S. Cerevisiae); HMT1 HnRNP Methyltransferase-Like 3; EC 2.1.1.319; EC 2.1.1

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	60-70 kDa	

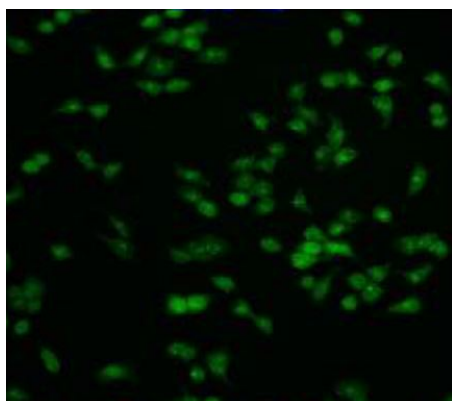
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

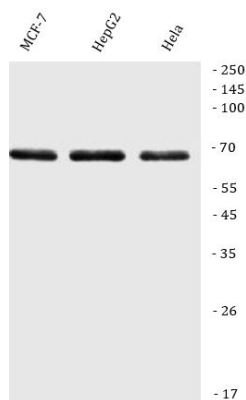
Gene Symbol	PRMT3
Gene Full Name	Protein Arginine Methyltransferase 3
Background	This gene belongs to the protein arginine methyltransferase (PRMT) family. The encoded enzyme catalyzes the methylation of guanidino nitrogens of arginyl residues of proteins. The enzyme acts on 40S ribosomal protein S2 (rpS2), which is its major in-vivo substrate, and is involved in the proper maturation of the 80S ribosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
Function	Protein-arginine N-methyltransferase that catalyzes both the monomethylation and asymmetric dimethylation of the guanidino nitrogens of arginine residues in target proteins, and therefore falls into the group of type I methyltransferases (Probable). May regulate retinoic acid synthesis and signaling by inhibiting ALDH1A1 retinal dehydrogenase activity. [UniProt]
Calculated Mw	60 kDa
PTM	Acetylation; Phosphoprotein. [UniProt]
Cellular Localization	Cytoplasm. [UniProt]

Images



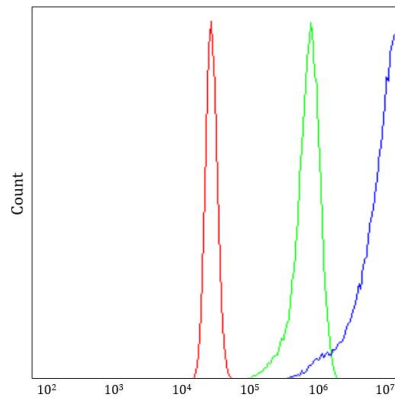
ARG45222 anti-PRMT3 antibody ICC/IF image

Immunofluorescence: Caco-2 stained with ARG45222 anti-PRMT3 antibody at 5 ug/ml dilution.



ARG45222 anti-PRMT3 antibody WB image

Western blot: MCF-7, HepG2, and HeLa stained with ARG45222 anti-PRMT3 antibody at 0.5 µg/ml dilution.



ARG45222 anti-PRMT3 antibody FACS image

Flow Cytometry: K562 stained with ARG45222 anti-PRMT3 antibody at $1\text{ }\mu\text{g}/10^6$ cells dilution.