ARG43933
anti-PRMT1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PRMT1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PRMT1
Species	Human
Immunogen	Human PRMT1 recombinant protein
Conjugation	Un-conjugated
Alternate Names	PRMT1; Protein Arginine Methyltransferase 1; HRMT1L2; HCP1; ANM1; HMT1 (HnRNP Methyltransferase, S. Cerevisiae)-Like 2; Histone-Arginine N-Methyltransferase PRMT1; Protein Arginine N-Methyltransferase 1; Interferon Receptor 1-Bound Protein 4; Highly Conserved Protein 1; IR1B4; Heterogeneous Nuclear Ribonucleoprotein Methyltransferase 1-Like 2; HMT1 HnRNP Methyltransferase-Like 2 (S. Cerevisiae); EC 2.1.1.319; EC 2.1.1.77; EC 2.1.1; HMT2

Application Instructions

Application table

Application	Dilution
ELISA	0.1-0.5 µg/ml
FACS	1-3 µg/1x10^6 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.

Properties

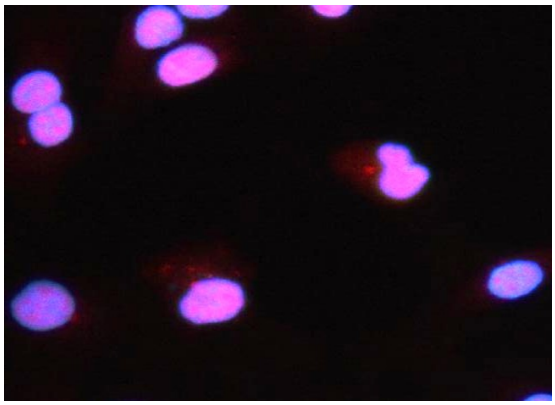
Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4 and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or 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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

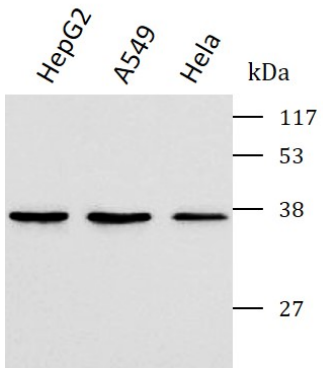
Gene Symbol	PRMT1
Gene Full Name	Protein Arginine Methyltransferase 1
Background	This gene encodes a member of the protein arginine N-methyltransferase (PRMT) family. Post-translational modification of target proteins by PRMTs plays an important regulatory role in many biological processes, whereby PRMTs methylate arginine residues by transferring methyl groups from S-adenosyl-L-methionine to terminal guanidino nitrogen atoms. The encoded protein is a type I PRMT and is responsible for the majority of cellular arginine methylation activity. Increased expression of this gene may play a role in many types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 5.
Function	Arginine methyltransferase that methylates (mono and asymmetric dimethylation) the guanidino nitrogens of arginyl residues present in proteins such as ESR1, histone H2, H3 and H4, FMR1, ILF3, HNRNPA1, HNRNPD, NFATC2IP, SUPT5H, TAF15, EWS, HABP4, SERBP1, RBM15, FOXO1, CHTOP and MAP3K5/ASK1.
Calculated Mw	42 kDa
PTM	Acetylation; Isopeptide bond; Phosphoprotein; Ubl conjugation
Cellular Localization	Cytoplasm; Nucleus

Images



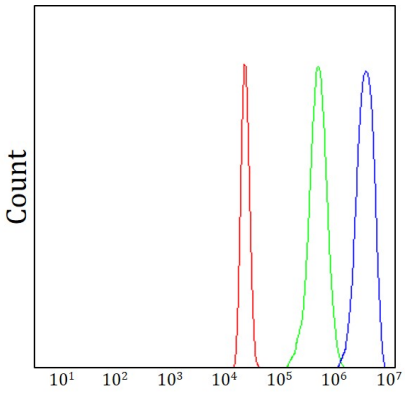
ARG43933 anti-PRMT1 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG43933 anti-PRMT1 antibody at 5 µg/ml dilution.



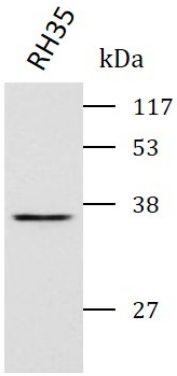
ARG43933 anti-PRMT1 antibody WB image

Western blot: HepG2, A549 and Hela stained with ARG43933 anti-PRMT1 antibody at 0.5 µg/mL dilution.



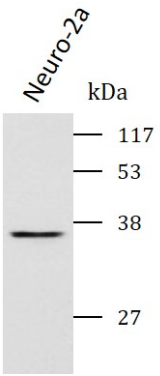
ARG43933 anti-PRMT1 antibody FACS image

Flow Cytometry: U937 cells stained with ARG43933 anti-PRMT1 antibody (blue) at 1 µg/1x10^6 cells dilution.



ARG43933 anti-PRMT1 antibody WB image

Western blot: RH35 stained with ARG43933 anti-PRMT1 antibody at 0.5 µg/mL dilution.



ARG43933 anti-PRMT1 antibody WB image

Western blot: Neuro-2a stained with ARG43933 anti-PRMT1 antibody at 0.5 µg/mL dilution.