

Product Datasheet

PRMT1 Antibody

Catalog No: CY6788

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF CHIP



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Information

UniProt ID: Q99873

All Names: Histone-arginine N-methyltransferase PRMT1; Heterogeneous nuclear ribonucleoprotein methyltransferase 1 like 2; Interferon receptor 1-bound protein 4; Protein arginine N methyltransferase 1; ANM1; HCP1; IR1B4; HRMT1L2;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 42 kDa

Application

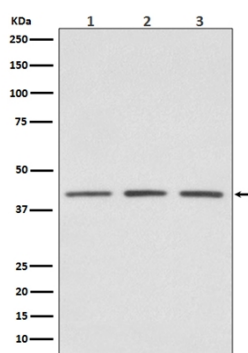
WB 1:500~1:1000

IHC 1:50~1:200

ICC/IF 1:100~1:500

Background

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, PIAS1, HNRNPA1, HNRNPD, NFATC2IP, SUPT5H, TAF15 and EWS. Constitutes the main enzyme that mediates monomethylation and asymmetric dimethylation of histone H4 'Arg-4' (H4R3me1 and H4R3me2a, respectively), a specific tag for epigenetic transcriptional activation. Together with dimethylated PIAS1, represses STAT1 transcriptional activity, in the late phase of interferon gamma (IFN-gamma) signaling.



Western blot analysis of PRMT1 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) PC-12 cell lysate.

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