

Rabbit Anti-PRMT5 antibody

SLM-60525R

Product Name PRMT5

Chinese Name 组蛋白精氨酸甲基转移酶 5Recombinant rabbit monoclonal anti

Alias ANM5_HUMAN; Protein arginine N-methyltransferase 5; HRMT1L5; IBP72; JBP1; SKB1; EC:2.1.1.320; 72 kDa ICh-binding protein; Histone-arginine N-methyltransferase PRMT5; Jak-binding protein 1; Shk1 kinase-binding protein 1 homolog (SKB1 homolog; SKB1Hs); Protein arginine N-methyltransferase 5, N-terminally processed; protein arginine methyltransferase 5; HSL7; SKB1Hs;

Immunogen Species Rabbit

Clonality Monoclonal

Clone NO. D1B12

React Species Human,Mouse,Rat

Applications WB=1:500-1000,IHC-P=1:50-200,IHC-F=1:50-200,IF=1:50-200,Flow-Cyt=1:50-100
(Paraffin sections need antigen repair)

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 70kDa

Cellular localization The cell membrane

Form Liquid

Concentration 1mg/ml

Lsotype IgG/Kappa

Purification Affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

This gene encodes an enzyme that belongs to the methyltransferase family. The encoded protein catalyzes the transfer of methyl groups to the amino acid arginine, in target proteins that include histones, transcriptional elongation factors and the tumor suppressor p53. This gene plays a role in several cellular processes, including transcriptional regulation, and the assembly of small nuclear ribonucleoproteins. A pseudogene of this gene has been defined on chromosome 4. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]

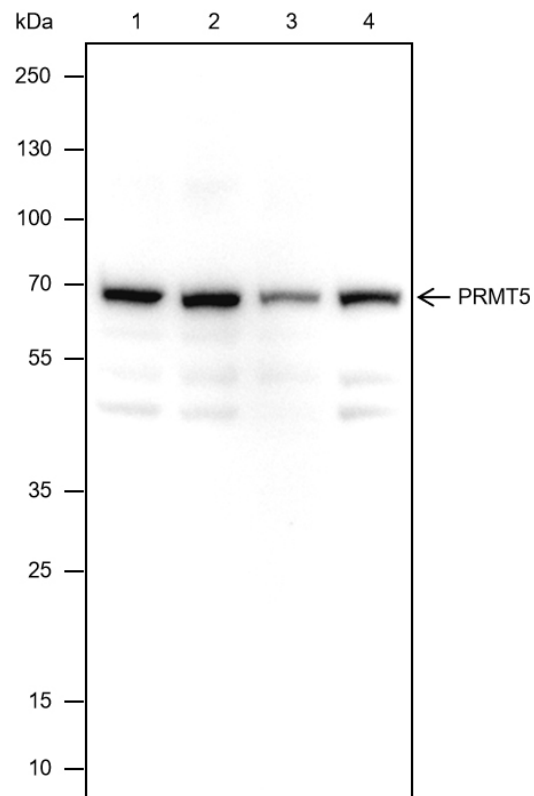
SWISS:
O14744

Gene ID:
10419

Product Detail

精氨酸甲基转移酶，既能催化 ω -N 单甲基精氨酸 (MMA) 和对称二甲基精氨酸 (sDMA) 的形成，又能优先催化 MMA 的形成。特异性介导小核核糖核蛋白 *smd1* (SNRPD1) 和 *smd3* (SNRPD3) 中精氨酸残基的对称二甲基化；这种甲基化是 snRNP 核心粒子组装和生物生成所必需的。甲基化 SUPT5H 并可能调节其转录延伸特性。髓鞘碱性蛋白 (MBP) 精氨酸残基的单酸和二甲基化。可能在 cell factor 激活的转导途径中发挥作用。负调控细胞周期素 E1 启动子活性和细胞增殖。在生殖细胞发育过程中甲基化组蛋白 H2A 和 H4'Arg-3'。甲基化组蛋白 H3'Arg-8'，可能抑制转录。甲基化 Piwi 蛋白 (PIWIL1, PIWIL2 和 PIWIL4)，Piwi 蛋白甲基化是与包含 Tudor 结构域的蛋白质相互作用和随后定位到减数分裂的细微差别所必需的。

**Product
Picture**



Blocking buffer: 5% NFDm/TBST

Primary Ab dilution: 1:10000

Primary Ab incubation condition: 2 hours at room temperature

Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP)

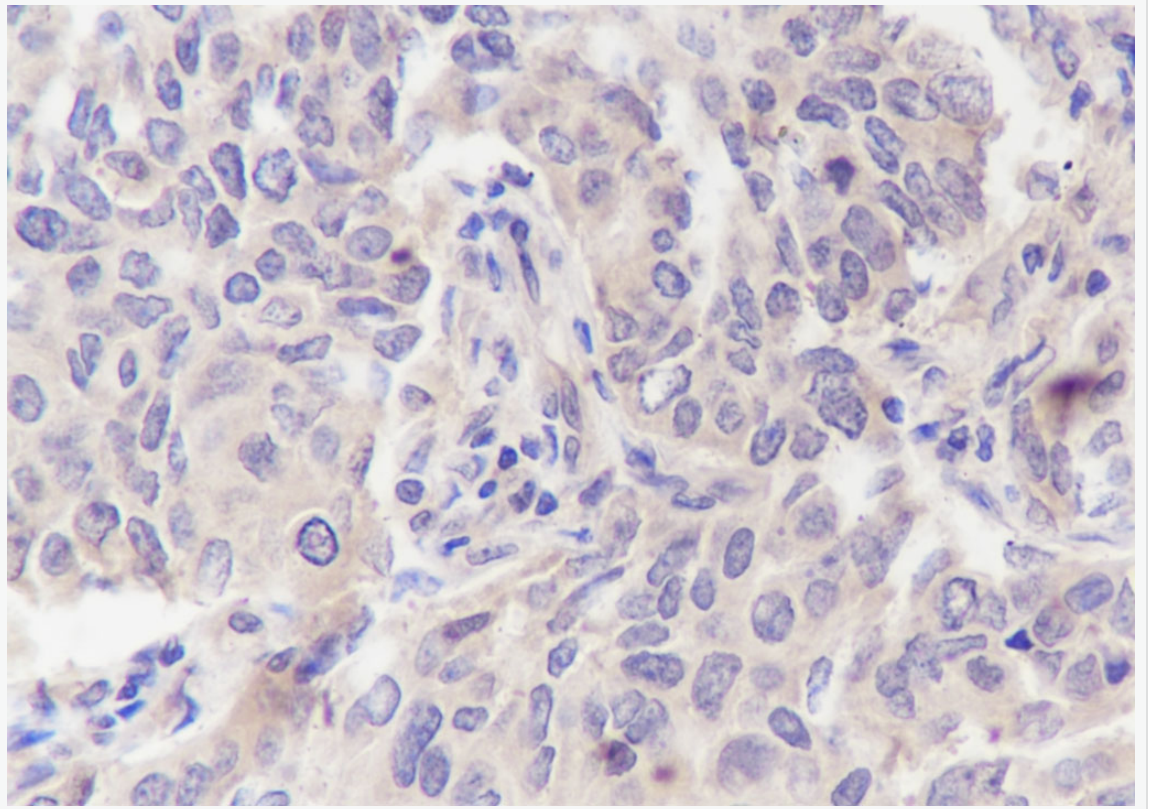
Lysate: 1: HeLa, 2: HEK-293, 3: MCF7, 4: HepG2

Protein loading quantity: 20 μ g

Exposure time: 10 s

Predicted MW: 73 kDa

Observed MW: 70 kDa



Tissue: Human breast cancer

Section type: Formalin-fixed & Paraffin -embedded section

Retrieval method: High temperature and high pressure

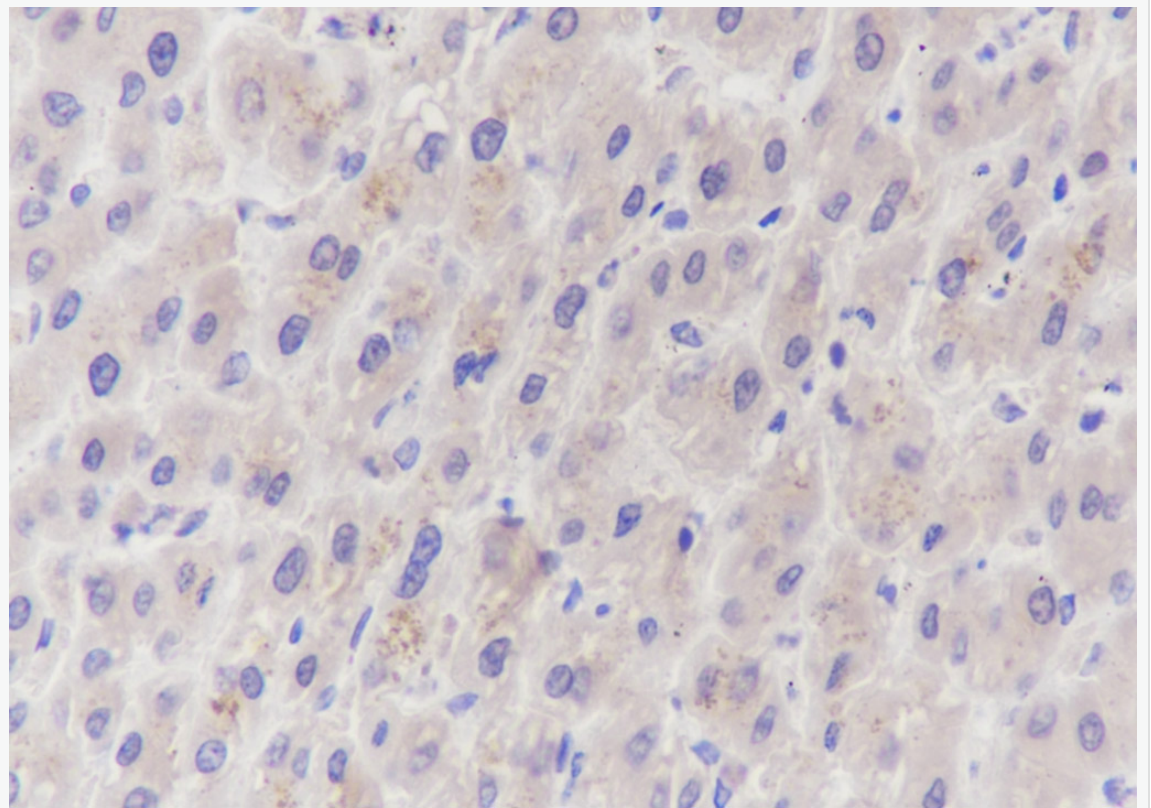
Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100

Primary Ab incubation condition: 1 hour at room temperature

Secondary Ab: SP Kit(Rabbit) (sp-0023)

Counter stain: Hematoxylin (Blue)

Comment: Color brown is the positive signal for SLM-60525R



Tissue: Human liver

Section type: Formalin-fixed & Paraffin -embedded section

Retrieval method: High temperature and high pressure

Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100

Primary Ab incubation condition: 1 hour at room temperature

Secondary Ab: SP Kit(Rabbit) (sp-0023)

Counter stain: Hematoxylin (Blue)

Comment: Color brown is the positive signal for SLM-60525R