

Product datasheet

Anti-PRMT1 antibody ab3769

1 图像

概述

产品名称	Anti-PRMT1抗体
描述	兔多克隆抗体to PRMT1
宿主	Rabbit
经测试应用	适用于: WB, ELISA
种属反应性	与反应: Human
免疫原	Synthetic peptide conjugated to KLH, corresponding a regio of amino acids 1-100 of Human PRMT 1.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.1% Sodium azide
纯度	Protein G purified
纯化说明	This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab3769** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		1/100 - 1/500. Predicted molecular weight: 40 kDa.
ELISA		1/1000.

## 靶标

### 功能

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. May be involved in the regulation of TAF15 transcriptional activity, act as an activator of estrogen receptor (ER)-mediated transactivation, play a key role in neurite outgrowth and act as a negative regulator of megakaryocytic differentiation, by modulating p38 MAPK pathway.

### 组织特异性

Widely expressed.

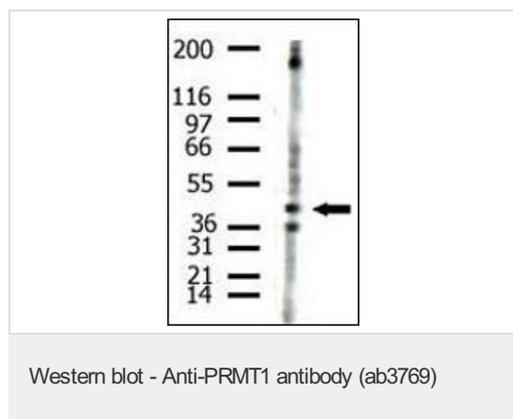
### 序列相似性

Belongs to the protein arginine N-methyltransferase family.

### 细胞定位

Nucleus. Cytoplasm > cytosol.

## 图片



Western blot analysis in whole HL60 cell lysate: PRMT1 (Arrow) was detected using ab3769. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

Western blot analysis in whole HL60 cell lysate: PRMT1 (Arrow) was detected using ab3769. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

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