

Product datasheet

Anti-PRMT3 antibody - ChIP Grade ab3765

1 Abreviews 1 References 画像数 4

製品の概要

製品名	Anti-PRMT3 antibody - ChIP Grade
製品の詳細	Rabbit polyclonal to PRMT3 - ChIP Grade
由来種	Rabbit
アプリケーション	適用あり: WB, ELISA, IHC-P, ICC/IF, ChIP
種交差性	交差種: Human
免疫原	Synthetic peptide: STKTHWKQTVFLLEKPF , corresponding to C terminal amino acids 475-491 of Human PRMT3 Run BLAST with Run BLAST with
ポジティブ・コントロール	This antibody gave a positive result when used in the following methanol fixed cell lines: HCT116

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	Preservative: 0.1% Sodium azide
精製度	Protein G purified
特記事項(精製)	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.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab3765** in the following tested applications.

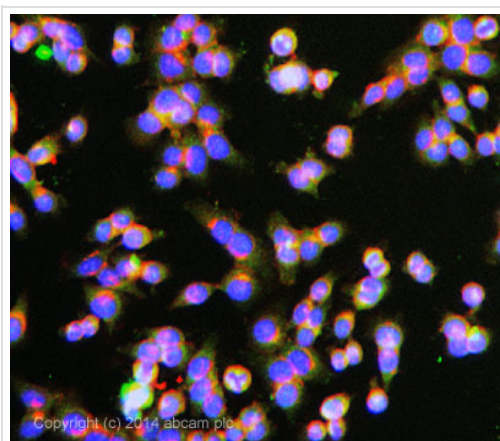
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/100 - 1/500. Predicted molecular weight: 60 kDa.
ELISA		1/1000.
IHC-P		1/50 - 1/100.
ICC/IF		Use a concentration of 10 µg/ml.
ChIP		Use 10µl for 10 ⁶ cells.

ターゲット情報

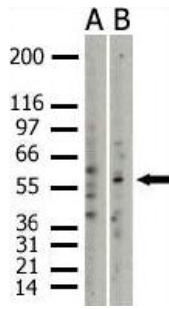
機能	Methylates (mono and asymmetric dimethylation) the guanidino nitrogens of arginyl residues in some proteins.
配列類似性	Belongs to the protein arginine N-methyltransferase family. Contains 1 C2H2-type zinc finger.
ドメイン	The zinc-finger is responsible for substrate specificity.
細胞内局在	Cytoplasm.

画像



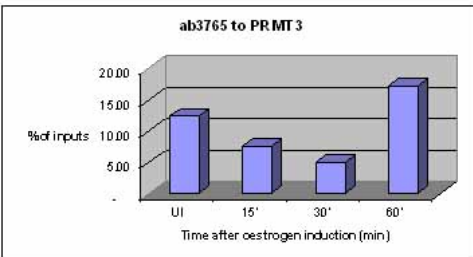
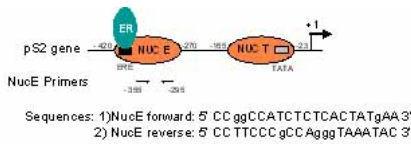
Immunocytochemistry/ Immunofluorescence - Anti-PRMT3 antibody - ChIP Grade (ab3765)

ab3765 stained HCT116 cells. The cells were 100% methanol fixed for 5 minutes at room temperature and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1 hour at room temperature to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab3765 at 10µg/ml) overnight at +4°C. The secondary antibody (pseudo-colored green) was 150081 used at a 1/1000 dilution for 1 hour at room temperature. Alexa Fluor® 594 WGA was used to label plasma membranes (pseudo-colored red) at a 1/200 dilution for 1 hour at room temperature. DAPI was used to stain the cell nuclei (pseudo-colored blue) at a concentration of 1.43µM for 1 hour at room temperature.



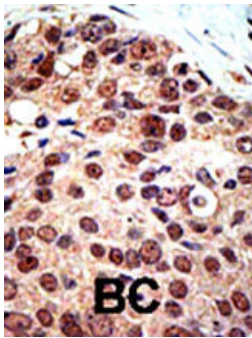
Western blot - Anti-PRMT3 antibody - ChIP Grade (ab3765)

Western blot analysis using whole HL60 cell lysate: PRMT3 (Arrow) was detected using ab3765 (Lane B) but not pre-immune serum (lane A). Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



ChIP - Anti-PRMT3 antibody - ChIP Grade (ab3765)

Sonicated Chromatin prepared from untreated or 17beta-estradiol (E₂) treated MCF7 cells was subjected to the ChIP procedure with ab3765 to PRMT3 and the immunoprecipitated chromatin was analysed in the proximal region of the estrogen-responsive pS2 promoter (as shown above) and quantified by real-time PCR (values are % of inputs). The primers are designed to follow the nucleosome E (including the Estrogen Responsive Element ERE). 10 µl of ab3765 and 2x10⁶ cells were used in each ChIP experiment.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRMT3 antibody - ChIP Grade (ab3765)

ab3765 staining PRMT3 in human breast carcinoma (BC) tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

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