

Product datasheet

Anti-PRMT5 antibody ab70644

画像数 1

製品の概要

製品名	Anti-PRMT5 antibody
製品の詳細	Rabbit polyclonal to PRMT5
由来種	Rabbit
アプリケーション	適用あり: IHC-P, IP 適用なし: WB
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Rabbit, Horse, Guinea pig, Dog, Pig, Chimpanzee, Ferret, Rhesus monkey, Gorilla, Orangutan
免疫原	Synthetic peptide corresponding to a region between residue 50 and 100 of human PRMT5 (NP_006100.2)
ポジティブ・コントロール	HeLa whole cell lysate.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.09% Sodium azide Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
精製度	Immunogen affinity purified
特記事項(精製)	ab70644 was affinity purified using an epitope specific to PRMT5 immobilized on solid support.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

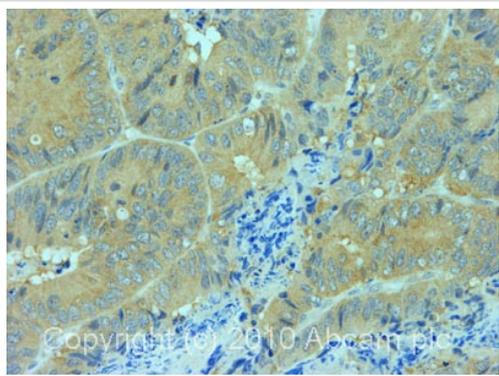
アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab70644** 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
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		Use at 2 µg/mg of lysate.
追加情報		Is unsuitable for WB.
ターゲット情報		
機能	<p>Arginine methyltransferase that can both catalyze the formation of omega-N monomethylarginine (MMA) and symmetrical dimethylarginine (sDMA), with a preference for the formation of MMA. Specifically mediates the symmetrical dimethylation of arginine residues in the small nuclear ribonucleoproteins Sm D1 (SNRPD1) and Sm D3 (SNRPD3); such methylation being required for the assembly and biogenesis of snRNP core particles. Methylates SUPT5H. Mono- and dimethylates arginine residues of myelin basic protein (MBP) in vitro. Plays a role in the assembly of snRNP core particles. May play a role in cytokine-activated transduction pathways. Negatively regulates cyclin E1 promoter activity and cellular proliferation. May regulate the SUPT5H transcriptional elongation properties. May be part of a pathway that is connected to a chloride current, possibly through cytoskeletal rearrangement. Methylates histone H2A and H4 'Arg-3' during germ cell development. Methylates histone H3 'Arg-8', which may repress transcription. Methylates the Piwi proteins (PIWIL1, PIWIL2 and PIWIL4), methylation of Piwi proteins being required for the interaction with Tudor domain-containing proteins and subsequent localization to the meiotic nuage. Methylates RPS10.</p>	
組織特異性	Ubiquitous.	
配列類似性	Belongs to the protein arginine N-methyltransferase family.	
翻訳後修飾	Disulfide bonds and non-covalent association mediate homooligomers formation.	
細胞内局在	Cytoplasm. Nucleus.	

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRMT5 antibody (ab70644)

IHC image of ab70644 staining in human colonic carcinoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab70644, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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