

Recombinant human KMT1B / SUV39H2 protein ab80288

画像数 2

製品の詳細

製品名	Recombinant human KMT1B / SUV39H2 protein
生理活性	Specific Activity: 38 pmol/min/mg.
精製度	> 70 % SDS-PAGE.
発現系	Escherichia coli
アクセッション番号	<u>Q9H5I1</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
領域	26 to 350

特性

Our **Abpromise guarantee** covers the use of **ab80288** 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	Functional Studies SDS-PAGE
製品の状態	Liquid

前処理および保存

保存方法および安定性	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.0462% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.395% Tris HCl, 0.05% Tween, 30% Glycerol (glycerin, glycerine), 0.58% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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関連情報

機能	Histone methyltransferase that specifically trimethylates 'Lys-9' of histone H3 using monomethylated H3 'Lys-9' as substrate. H3 'Lys-9' trimethylation represents a specific tag for epigenetic transcriptional repression by recruiting HP1 (CBX1, CBX3 and/or CBX5) proteins to methylated histones. Mainly functions in heterochromatin regions, thereby playing a central role in the establishment of constitutive heterochromatin at pericentric and telomere regions. H3 'Lys-9' trimethylation is also required to direct DNA methylation at pericentric repeats. SUV39H1 is targeted to histone H3 via its interaction with RB1 and is involved in many processes, such as cell cycle regulation, transcriptional repression and regulation of telomere length. May participate in regulation of higher order chromatin organization during spermatogenesis.
配列類似性	<p>Belongs to the histone-lysine methyltransferase family. Suvar3-9 subfamily.</p> <p>Contains 1 chromo domain.</p> <p>Contains 1 post-SET domain.</p> <p>Contains 1 pre-SET domain.</p> <p>Contains 1 SET domain.</p>
ドメイン	Although the SET domain contains the active site of enzymatic activity, both pre-SET and post-SET domains are required for methyltransferase activity. The SET domain also participates to stable binding to heterochromatin.
細胞内局在	Nucleus. Chromosome > centromere. Associates with centromeric constitutive heterochromatin.

画像

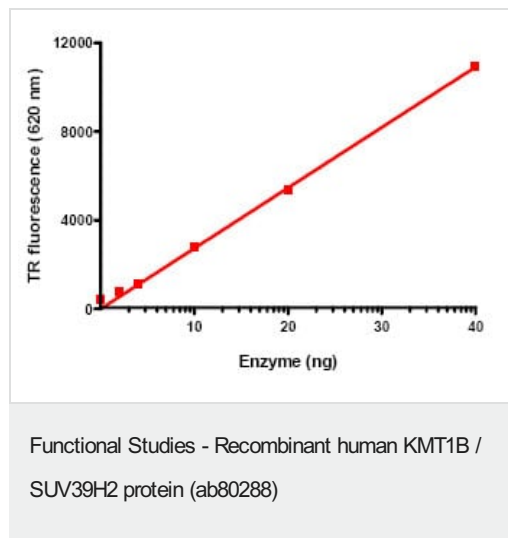


Image showing specific activity of ab80288.



10% SDS-PAGE showing ab80288 at approximately 63kDa (3μg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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