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Rabbit Anti-SUV39H1 antibody

SLM-60555R

Product Name	SUV39H1
Chinese Name	组蛋白 H3 K9 甲基转移酶 Recombinant rabbit monoclonal anti
Alias	SUV91_HUMAN; Histone-lysine N-methyltransferase SUV39H1; KMT1A; UV39H; EC:2.1.1.355; Histone H3-K9 methyltransferase 1 (H3-K9-HMTase 1); Lysine N-methyltransferase 1A; Position-effect variegation 3-9 homolog; Suppressor of variegation 3-9 homolog 1 (Su(var)3-9 homolog 1); SUV39H1 histone lysine methyltransferase; MG44; SUV39H; H3-K9-HMTase 1;
Immunogen Species	Rabbit
Clonality	Monoclonal
Clone NO.	E2B10
React Species	Human,Mouse
Applications	WB=1:200-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	48kDa
Cellular localization	The nucleus
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℃. 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
Product Detail	This gene encodes an evolutionarily-conserved protein containing an N-terminal chromodomain and a C-terminal SET domain. The encoded protein is a histone methyltransferase that trimethylates lysine 9 of histone H3, which results in

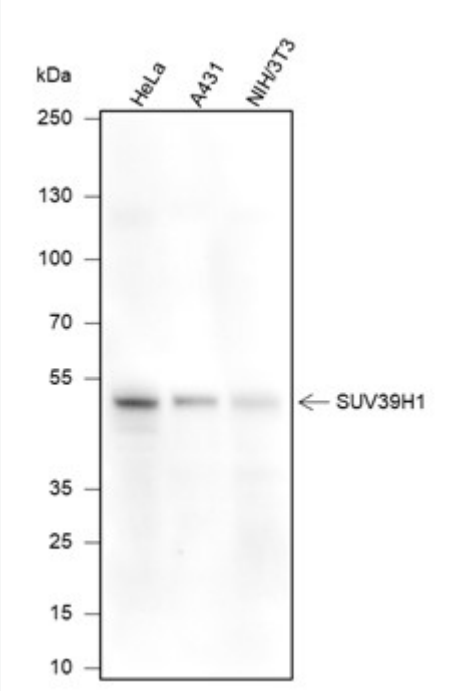
transcriptional gene silencing. Loss of function of this gene disrupts heterochromatin formation and may cause chromosome instability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

SWISS:
O43463

Gene ID:
6839

组蛋白甲基转移酶，以单乙基化 H3‘Lys-9’为底物，特异性地对组蛋白 H3 的‘Lys-9’进行三甲基化。也有弱甲基化组蛋白 H1（体外）。H3‘Lys-9’三甲基化通过向甲基化组蛋白中招募 HP1（CBX1、CBX3 和/或 CBX5）蛋白，代表表观遗传转录抑制的一个特定标记。主要作用于异铬酸盐区，在周中心区和端粒区的本构性异染色质的建立中起着重要作用。
H3'Lys-9'三甲基化也需要在中心周重复点直接 DNA 甲基化。SUV39H1 通过与 RB1 相互作用而以组蛋白 H3 为靶点，参与了抑制肌 D1 刺激分化、调控细胞周期退出和进入分化的控制开关、PML-RARA 融合蛋白的抑制、BMP 诱导的抑制等过程，抑制 IgA 的开关重组和端粒长度的调节。

Product Picture



Blocking buffer: 5% NFDM/TBST

Primary ab dilution: 1:1000

Primary ab incubation condition: 2 hours at room temperature

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

Lysate: HeLa, A431, 3T3

Protein loading quantity: 20 μg

Exposure time: 60 s

Predicted MW: 48 kDa

Observed MW: 48 kDa