

Datasheet for ABIN6148749

anti-SUV39H2 antibody (AA 141-350)



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2 Images

Overview

Quantity:	100 µL
Target:	SUV39H2
Binding Specificity:	AA 141-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUV39H2 antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 141-350 of human SUV39H2 (NP_001180354.1).
Sequence:	CCPAEAGVLL AYNKNQQIKI PPGTPIYECN SRCQCGPDCP NRIVQKGTQY SLCIFRTSNG RGWGVKTLVK IKRMSFVMEY VGEVITSEEA ERRGQFYDNK GITYLFDLDY ESDEFTVDAA RYGNVSHFVN HSCDPNLQVF NVFIDNLDTR LPRIALFSTR TINAGEELTF DYQMKGSGDI SSDSIDHSPA KKRVRTVCKC GAVTCRGYLN
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	SUV39H2
Alternative Name:	SUV39H2 (SUV39H2 Products)
Background:	<p>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. Recruited by the large PER complex to the E-box elements of the circadian target genes such as PER2 itself or PER1, contributes to the conversion of local chromatin to a heterochromatin-like repressive state through H3 'Lys-9' trimethylation.,SUV39H2,KMT1B,Epigenetics & Nuclear Signaling,Chromatin Modifying Enzymes,Methylation,Chromatin Remodeling,Cell Biology & Developmental Biology,Apoptosis,SUV39H2</p>
Molecular Weight:	26 kDa/39 kDa/46 kDa
Gene ID:	79723
UniProt:	Q9H5I1

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200,ChIP,1:20 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

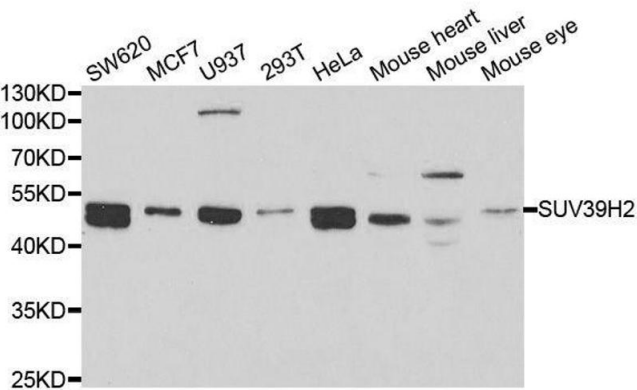
Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images

Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using SUV39H2 antibody.



Chromatin Immunoprecipitation

Image 2. Chromatin immunoprecipitation analysis extracts of 293T cell line, using SUV39H2 antibody.

