

## SUV39H2 Rabbit mAb

Catalog No: #49908

Package Size: #49908-1 50ul #49908-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

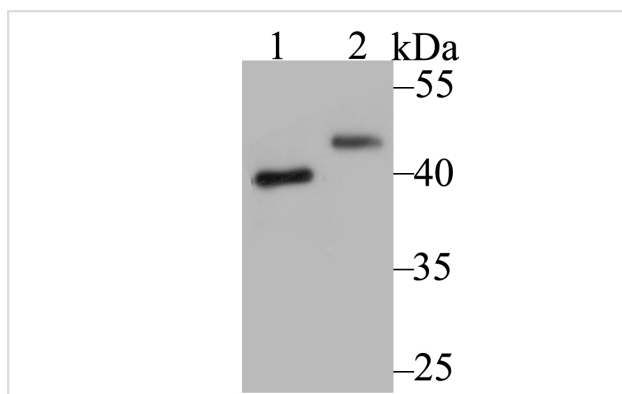
## Description

Product Name	SUV39H2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG36-55
Purification	ProA affinity purified
Applications	WB,IHC,IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic peptide within Human SUV39H2 aa 350 to the C-terminus.
Other Names	FLJ23414 antibody H3 K9 HMTase 2 antibody H3-K9-HMTase 2 antibody Histone H3 K9 methyltransferase 2 antibody Histone H3-K9 methyltransferase 2 antibody Histone lysine N methyltransferase H3 lysine 9 specific 2 antibody Histone lysine N methyltransferase SUV39H2 antibody Histone-lysine N-methyltransferase SUV39H2 antibody KMT1B antibody Lysine N methyltransferase 1B antibody Lysine N-methyltransferase 1B antibody sSuppressor of variegation 3 9 homolog 2 (Drosophila) antibody Su(var)3 9 Drosophila homolog of 2 antibody Su(var)3 9 homolog 2 antibody Su(var)3-9 homolog 2 antibody Suppressor of variegation 3 9 homolog 2 antibody Suppressor of variegation 3-9 homolog 2 antibody Suv39h2 antibody SUV92_HUMAN antibody
Accession No.	Swiss-Prot#:Q9H511
Uniprot	Q9H511
GeneID	79723;
Calculated MW	40/47 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

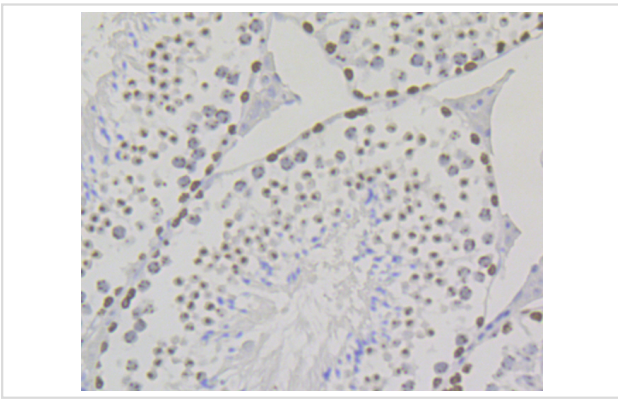
## Application Details

WB: 1:500-1:2,000IHC: 1:50-1:200IP: 1:10-1:50

## Images



Western blot analysis of SUV39H2 on SiHa cell (1) and A549 cell (2) lysate using anti-SUV39H2 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti- SUV39H2 antibody. Counter stained with hematoxylin.

## Background

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.

## References

Note: This product is for in vitro research use only