

SUV39H2 polyclonal antibody

Catalog: BS91305

Host: Rabbit

Reactivity: Human, Mouse, Rat

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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

40/47 kDa

Swiss-Prot:

Q9H5I1(Human) Q9EQQ0(Mouse)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

IHC:1:50-1:200

IP:1:10-1:50

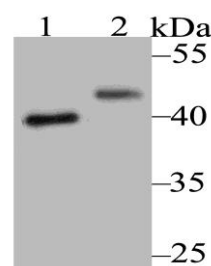
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

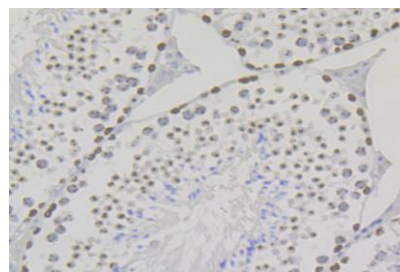
Specificity:

SUV39H2 polyclonal antibody detects endogenous levels of SUV39H2 protein.

DATA:



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.

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151