

Rabbit anti-Human Histone-lysine N-methyltransferase SUV39H2 Polyclonal Antibody | anti-SUV39H2 antibody

Rabbit anti-human Histone-lysine N-methyltransferase SUV39H2 polyclonal Antibody(SUV39H2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119180	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA

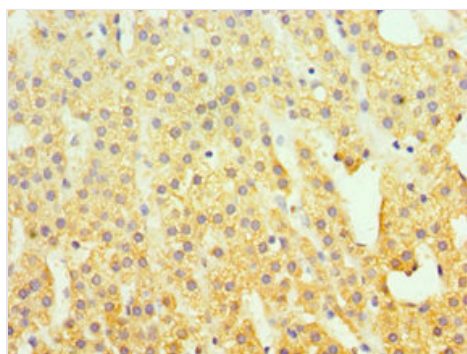
PRODUCT SYNONYMS

Histone-lysine N-methyltransferase SUV39H2; Polyclonal Antibody; Rabbit anti-human Histone-lysine N-methyltransferase SUV39H2 polyclonal Antibody(SUV39H2); Histone H3-K9 methyltransferase 2; H3-K9-HMTase 2; Lysine N-methyltransferase 1B; Suppressor of variegation 3-9 homolog 2; Su(var)3-9 homolog 2; SUV39H2; KMT1B; anti-SUV39H2 antibody

PRODUCT SPECIFICATIONS

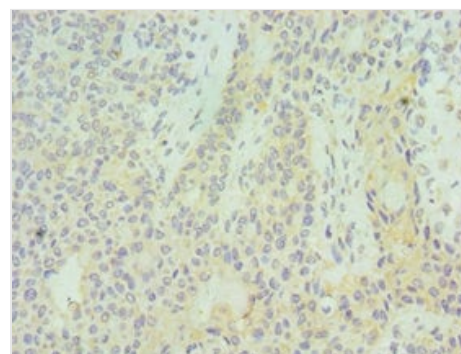
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	410
Applicable Applications for anti-SUV39H2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Histone-lysine N-methyltransferase SUV39H2 protein(201-410aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-54340 / sc-54342 / sc-54340 / sc-54342 / sc-130886
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



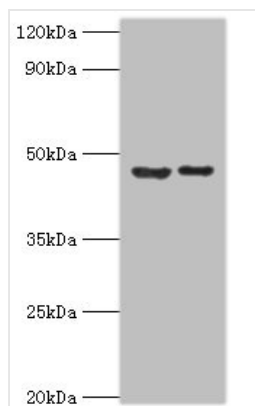
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human paranephros using AAA119180 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA119180 at dilution 1:100



WB (Western Blot)

All lanes: Histone-lysine N-methyltransferase SUV39H2 antibody at 0.32ug/ml
 Lane 1: HepG2 whole cell lysate
 Lane 2: Hela whole cell lysate
 Secondary: Goat polyclonal to rabbit at 1/10000 dilution
 Predicted band size: 47,40,27 kDa
 Observed band size: 47 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-SUV39H2 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	301171588
NCBI GeneID	79723
NCBI Accession #	NP_001180353.1
NCBI GenBank Nucleotide #	NM_001193424.1
UniProt Accession #	Q9H5I1; Q5JSS4; Q5JSS5; Q6I9Y3; Q8ND06; D3DRT4
Molecular Weight	26,350 Da
NCBI Official Full Name	histone-lysine N-methyltransferase SUV39H2 isoform 1
NCBI Official Synonym Full Names	suppressor of variegation 3-9 homolog 2
NCBI Official Symbol	SUV39H2
NCBI Official Synonym Symbols	KMT1B
NCBI Protein Information	histone-lysine N-methyltransferase SUV39H2
UniProt Protein Name	Histone-lysine N-methyltransferase SUV39H2
UniProt Gene Name	SUV39H2
UniProt Synonym Gene Names	KMT1B; H3-K9-HMTase 2; Su(var)3-9 homolog 2
UniProt Entry Name	SUV92_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/histone-lysine-n-methyltransferase-suv39h2-antibody-immunohistochemistry-western-blot-elisa/119180>