

Rabbit SUV39H1 Polyclonal Antibody | anti-SUV39H1 antibody

SUV39H1 antibody - C-terminal region

CATALOG # AAA197370	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Human, Mouse, Rabbit, Rat, Zebrafish	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

SUV39H1; Polyclonal Antibody; SUV39H1 antibody - C-terminal region; anti-SUV39H1 antibody

PRODUCT SPECIFICATIONS

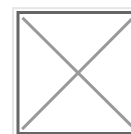
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: FD YNMQVDPVDM ESTRMDSNFG LAGLPGSPKK RVRIECKCGT ESCRKYLE
Sequence Length	412
Applicable Applications for anti-SUV39H1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human SUV39H1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



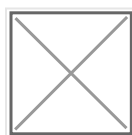
WB (Western Blot)

WB Suggested Anti-SUV39H1 Antibody Titration: 1.25ug/ml
ELISA Titer: 1:312500
Positive Control: HepG2 cell lysate
SUV39H1 is supported by BioGPS gene expression data to be expressed in HepG2



IHC (Immunohistochemistry)

Rabbit Anti-SUV39H1 Antibody
Paraffin Embedded Tissue: Human alveolar cell
Cellular Data: Epithelial cells of renal tubule
Antibody Concentration: 4.0-8.0 ug/ml
Magnification: 400X



IHC (Immunohistochemistry)

Human Intestine

ADDITIONAL INFORMATION

Related Product Information for anti-SUV39H1 antibody	This is a rabbit polyclonal antibody against SUV39H1. It was validated on Western Blot and immunohistochemistry Target Description: SUV39H1, a human homolog of the Drosophila position effect variegation modifier Su(var)3-9 and of the S. pombe silencing factor clr4, encodes a heterochromatic protein that transiently accumulates at centromeric positions during mitosis.This gene is a member of the suppressor of variegation 3-9 homolog family and encodes a protein with a chromodomain and a C-terminal SET domain. This nuclear protein moves to the centromeres during mitosis and functions as a histone methyltransferase, methylating Lys-9 of histone H3. Overall, it plays a vital role in heterochromatin organization, chromosome segregation, and mitotic progression. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-SUV39H1 antibody	Polyclonal; Transcription Factor; Cell Cycle Proteins; Transcription Regulation; Chromatin & Nuclear Signaling; Epigenetics; Meiosis/Mitosis/Cell Cycle; Immunohistochemistry; Methylation; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507321
NCBI GeneID	6839
NCBI Accession #	NP_003164
NCBI GenBank Nucleotide #	NM_003173
UniProt Accession #	O43463
Molecular Weight	48kDa
NCBI Official Full Name	histone-lysine N-methyltransferase SUV39H1 isoform 2
NCBI Official Synonym Full Names	suppressor of variegation 3-9 homolog 1
NCBI Official Symbol	SUV39H1
NCBI Official Synonym Symbols	MG44; KMT1A; SUV39H; H3-K9-HMTase 1
NCBI Protein Information	histone-lysine N-methyltransferase SUV39H1
UniProt Protein Name	Histone-lysine N-methyltransferase SUV39H1
UniProt Gene Name	SUV39H1
UniProt Synonym Gene Names	KMT1A; SUV39H; H3-K9-HMTase 1
UniProt Entry Name	SUV91_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.