

Rabbit SUV39H2 Polyclonal Antibody | anti-SUV39H2 antibody

SUV39H2 Antibody (C-term)

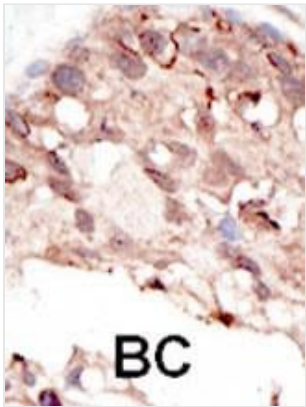
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287540	Rabbit	Human, rat (Predicted Reactivity: Monkey)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

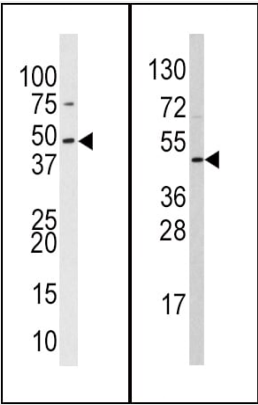
SUV39H2; Polyclonal Antibody; SUV39H2 Antibody (C-term); Histone-lysine N-methyltransferase SUV39H2; Histone H3-K9 methyltransferase 2; H3-K9-HMTase 2; Lysine N-methyltransferase 1B; Suppressor of variegation 3-9 homolog 2; Su(var)3-9 homolog 2; KMT1B; anti-SUV39H2 antibody

PRODUCT SPECIFICATIONS

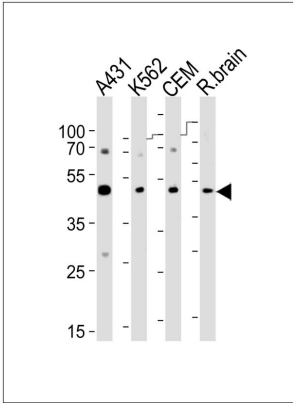
Host	Rabbit
Reactivity	Human, rat (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SUV39H2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 360-390 amino acids from the C-terminal region of human SUV39H2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	360-390
Sequence Length	230
Applicable Applications for anti-SUV39H2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of anti-hSUV39H2-K315 Pab in 293 and HL60 cell line lysates (35ug/lane). hSUV39H2-K315 (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of lysates from A431, K562, CEM cell line and rat brain tissue lyaste(from left to right), using SUV39H2 Antibody (K315). AAA287540 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-SUV39H2 antibody	The murine gene Suv39h2 encodes an H3 histone methyltransferase (HMTase) 59% identical in sequence to mouse Suv39h1. During embryogenesis, both proteins overlap in tissue expression, yet Suv39h2 transcripts are restricted to the testes in adult animals. Immunolocalization of the Suv39h2 protein during spermatogenesis indicates enrichment at the heterochromatin from the leptotene to the round spermatid stage. Moreover, Suv39h2 specifically accumulates with chromatin of the sex chromosomes, which undergo transcriptional silencing during the first meiotic prophase. Suv39h2 HMTase may also organize meiotic heterochromatin with the potential for epigenetic imprint to the male germline.
References	Ota, T., et al., Nat. Genet. 36(1):40-45 (2004). Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	301171588
NCBI GeneID	79723
NCBI Accession #	NP_001180353.1; NP_001180354.1; NP_001180355.1; NP_001180356.1; NP_078946.1
NCBI GenBank Nucleotide #	NM_001193424.1

UniProt Accession #	Q9H5I1; Q5JSS4; Q5JSS5; Q6I9Y3; Q8ND06; D3DRT4
Molecular Weight	46682
NCBI Official Full Name	histone-lysine N-methyltransferase SUV39H2 isoform 1
NCBI Official Synonym Full Names	suppressor of variegation 3-9 homolog 2 (Drosophila)
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/suv39h2-antibody-immunohistochemistry-western-blot-elisa/287540>