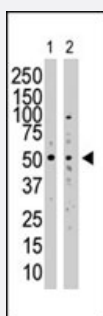


SUV39H1 polyclonal antibody

Catalog # PAB2362

Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of SUV39H1 polyclonal antibody (Cat # PAB2362) in SAOS-2 cell lysate (Lane 1) and NIH/3T3 cell lysate (Lane 2). SUV39H1 (arrow) is detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant SUV39H1.
Immunogen	Recombinant GST fusion protein corresponding to N-terminus of human SUV39H1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of SUV39H1 polyclonal antibody (Cat # PAB2362) in SAOS-2 cell lysate (Lane 1) and NIH/3T3 cell lysate (Lane 2). SUV39H1 (arrow) is detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

Gene Info — SUV39H1

Entrez GeneID	6839
Protein Accession#	NP_003164
Gene Name	SUV39H1
Gene Alias	KMT1A, MG44, SUV39H
Gene Description	suppressor of variegation 3-9 homolog 1 (Drosophila)
Omim ID	300254
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	H3-K9-HMTase 1 OTTHUMP00000024298 Su(var)3-9 homolog 1 histone H3-K9 methyltransferase 1 histone-lysine N-methyltransferase, H3 lysine-9 specific 1 suppressor of variegation 3-9 homolog 1

Publication Reference

- [pRb2/p130-E2F4/5-HDAC1-SUV39H1-p300 and pRb2/p130-E2F4/5-HDAC1-SUV39H1-DNMT1 multimolecular complexes mediate the transcription of estrogen receptor-alpha in breast cancer.](#)

Macaluso M, Cinti C, Russo G, Russo A, Giordano A.

Oncogene 2003 Jun; 22(23):3511.

Application: WB, Human, MCF-7, MDA-MB-231 cells

- [Methyl-CpG binding domain 1 \(MBD1\) interacts with the Suv39h1-HP1 heterochromatic complex for DNA methylation-based transcriptional repression.](#)

Fujita N, Watanabe S, Ichimura T, Tsuruzoe S, Shinkai Y, Tachibana M, Chiba T, Nakao M.

The Journal of Biological Chemistry 2003 Jun; 278(26):24132.

- [Central role of Drosophila SU\(VAR\)3-9 in histone H3-K9 methylation and heterochromatic gene silencing.](#)

Schotta G, Ebert A, Krauss V, Fischer A, Hoffmann J, Rea S, Jenuwein T, Dorn R, Reuter G.

The EMBO Journal 2002 Mar; 21(5):1121.

Application: IF, WB, Drosophila, Drosophila embryo, silivary gland

Pathway

- [Lysine degradation](#)