

Datasheet for ABIN3029053

anti-SUV39H2 antibody (AA 367-395)



[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	SUV39H2
Binding Specificity:	AA 367-395
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUV39H2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 367-395 from the human protein was used as the immunogen for this SUV39H2 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Primate
Purification:	Antigen affinity purified

Target Details

Target:	SUV39H2
Alternative Name:	SUV39H2 (KTM1B) (SUV39H2 Products)
Background:	Histone methyltransferase that specifically trimethylates 'Lys-9' of histone H3 using

Target Details

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.

UniProt: [Q9H5I1](#)

Application Details

Application Notes: Titration of the SUV39H2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Aliquot the SUV39H2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. SUV39H2 antibody western blot analysis in MDA-MB453 lysate.



Western Blotting

Image 2. SUV39H2 antibody western blot analysis in MDA-MB453 lysate.