Datasheet for ABIN900871

anti-SUV39H1 antibody (AA 211-310) (AbBy Fluor® 488)

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Overview

Quantity:	100 µL
Target:	SUV39H1
Binding Specificity:	AA 211-310
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUV39H1 antibody is conjugated to AbBy Fluor® 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Histone-lysine N-methyltransferase SUV39H1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	SUV39H1
Alternative Name:	SUV39H1 (SUV39H1 Products)

Target Details

Background:	Synonyms: H3 K9 HMTase, H3 K9 HMTase1, H3-K9-HMTase 1, Histone H3 K9 methylation, Histone H3 Lys 9 methylation, Histone H3-K9 methyltransferase 1, Histone H3-K9 methyltransferase1, Histone lysine N methyltransferase H3 lysine 9 specic 1, Histone lysine N methyltransferase, H3 lysine 9 specic 1, Histone-lysine N-methyltransferase SUV39H1, KMT1 A, Lysine N methyltransferase 1A, Lysine N-methyltransferase 1A, MG44, mIS6, Position-effect variegation 3-9 homolog, Suvar3 9 homolog 1, Suvar3-9 homolog 1, Suppressor of variegation 3 9 homolog 1 Drosophila, Suppressor of variegation 3-9 homolog 1, SUV39 H1, SUV39H, SUV39H1, SUV91_HUMAN. Background: SUV39H1 is targeted to histone H3 via its interaction with RB1 and is involved in many processes, such as repression of MYOD1-stimulated differentiation, regulation of the control switch for exiting the cell cycle and entering differentiation, repression by the PML-RARA fusion protein, BMP-induced repression, repression of switch recombination to IgA and regulation of telomere length. Component of the eNoSC (energy-dependent nucleolar silencing) complex, a complex that mediates silencing of rDNA in response to intracellular energy status and acts by recruiting histone-modifying enzymes. The eNoSC complex is able to sense the energy status of cell: upon glucose starvation, elevation of NAD(+)/NADP(+) ratio activates SIRT1, leading to histone H3 deacetylation followed by dimethylation of H3 at 'Lys-9' (H3K9me2) by SUV39H1 and the formation of silent chromatin in the rDNA locus.
Gene ID:	6839

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

	handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months