SUV39H2 Conjugated Antibody

Catalog No: #C49908

Package Size: #C49908-AF350 100ul #C49908-AF405 100ul #C49908-AF488 100ul #C49908-AF555 100ul #C49908-AF594 100ul #C49908-AF647 100ul #C49908-AF680 100ul #C49908-AF750 100ul #C49908-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	SUV39H2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic peptide within Human SUV39H2 aa 350 to the C-terminus.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	FLJ23414 antibody H3 K9 HMTase 2 antibody H3-K9-HMTase 2 antibody Histone H3 K9 methyltransferase 2 antibody Histone H3-K9 methyltransferase 2 antibody Histone lysine N methyltransferase H3 lysine 9 specific 2 antibody Histone lysine N methyltransferase SUV39H2 antibody Histone-lysine N-methyltransferase SUV39H2 antibody KMT1B antibody Lysine N methyltransferase 1B antibody Lysine N-methyltransferase 1B antibody sSuppressor of variegation 3 9 homolog 2 (Drosophila) antibody Su(var)3 9 Drosophila homolog of 2 antibody Su(var)3 9 homolog 2 antibody Su(var)3-9 homolog 2 antibody Suppressor of variegation 3 9 homolog 2 antibody Suppressor of variegation 3-9 homolog 2 antibody Suv39h2 antibody SUV92_HUMAN antibody
Accession No.	Swiss-Prot#:Q9H5I1
Uniprot	Q9H5I1
GeneID	79723;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	40/47 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Histone methyltransferase that specifically trimethylates 'Lys-9' of histone H3 using 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. Recruited by the large PER complex to the E-box elements of the circadian target genes such as PER2 itself or PER1, contributes to the conversion of local chromatin to a heterochromatin-like repressive state through H3 'Lys-9' trimethylation.

Note: This product is for in vitro research use only