

Datasheet for ABIN7155529

anti-SUV39H2 antibody (AA 201-410)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	SUV39H2
Binding Specificity:	AA 201-410
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SUV39H2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Histone-lysine N-methyltransferase SUV39H2 protein (201-410AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	SUV39H2
Alternative Name:	SUV39H2 (SUV39H2 Products)
Background:	Background: Histone methyltransferase that specifically trimethylates '\Lys-9\' of histone H3 using monomethylated H3 '\Lys-9\' as substrate. H3 '\Lys-9\' trimethylation

Target Details

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.

Aliases: 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

UniProt: [Q9H5I1](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

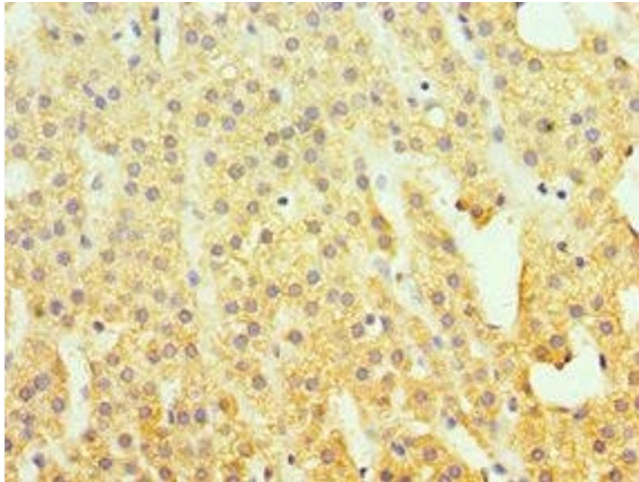
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Handling

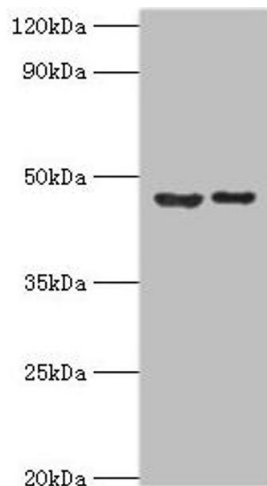
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



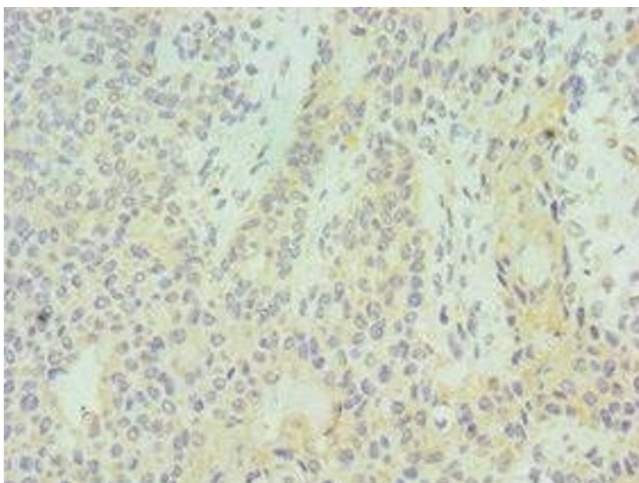
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human adrenal gland tissue using ABIN7155529 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: Histone-lysine N-methyltransferase SUV39H2 antibody at 0.32 µg/mL Lane 1: HepG2 whole cell lysate Lane 2: Hela whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 47, 40, 27 kDa Observed band size: 47 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7155529 at dilution of 1:100