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anti-SETDB1 antibody (AA 1-397)

3 Images



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Overview

Quantity:	100 μL
Target:	SETDB1
Binding Specificity:	AA 1-397
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SETDB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Histone-lysine N-methyltransferase SETDB1 protein (1-397AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	Antigen Affinity Purified

Target Details

Target:	SETDB1
Alternative Name:	SETDB1 (SETDB1 Products)
Background:	Background: Histone methyltransferase that specifically trimethylates \\\'Lys-9\\\' of histone
	H3. H3 \\\'Lys-9\\\' trimethylation represents a specific tag for epigenetic transcriptional

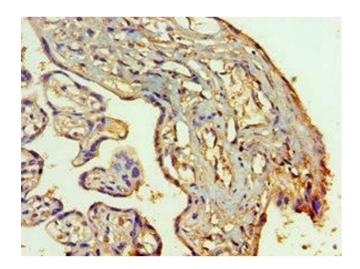
repression by recruiting HP1 (CBX1, CBX3 and/or CBX5) proteins to methylated histones. Mainly functions in euchromatin regions, thereby playing a central role in the silencing of euchromatic genes. H3 \\\'Lys-9\\\' trimethylation is coordinated with DNA methylation. Probably forms a complex with MBD1 and ATF7IP that represses transcription and couples DNA methylation and histone \\\'Lys-9\\\' trimethylation. Its activity is dependent on MBD1 and is heritably maintained through DNA replication by being recruited by CAF-1. SETDB1 is targeted to histone H3 by TRIM28/TIF1B, a factor recruited by KRAB zinc-finger proteins. Aliases: AU022152 antibody, EC 2.1.1.43 antibody, ERG-associated protein with SET domain antibody, ESET antibody, H3 K9 HMTase 4 antibody, H3-K9-HMTase 4 antibody, H3-K9-HMTase4 antibody, Histone H3 K9 methyltransferase 4 antibody, Histone H3-K9 methyltransferase 4 antibody, Histone-lysine N-methyltransferase SETDB1 antibody, KG1T antibody, KIAA0067 antibody, KMT1E antibody, Lysine N-methyltransferase 1E antibody, MGC90670 antibody, mKIAA0067 antibody, SET domain bifurcated 1 antibody, Set domain protein, bifurcated, 1 antibody, SETB1_HUMAN antibody, Setdb1 antibody

UniProt:

Q15047

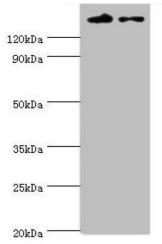
Application Details

Application Notes:	Recommended dilution: WB:1:200-1:1000, 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
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



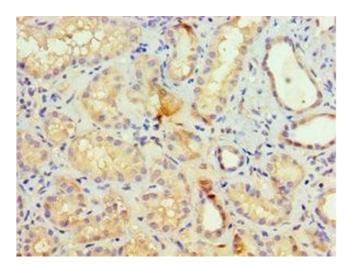
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7155521 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: SETDB1 antibody at $5\,\mu$ g/mL Lane 1: Rat adrenal gland tissue Lane 2: 293T whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 144, 45 kDa Observed band size: 144 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7155521 at dilution of 1:100