

Rabbit anti-Human, Rat SETDB1 Polyclonal Antibody | anti-SETDB1 antibody

SETDB1 Antibody

CATALOG # AAA119267	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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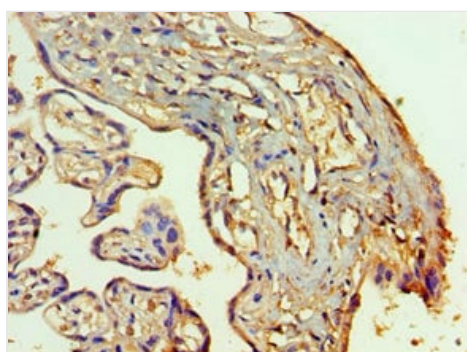
PRODUCT SYNONYMS

SETDB1; Polyclonal Antibody; SETDB1 Antibody; ERG-associated protein with SET domain; ESET; Histone H3-K9 methyltransferase 4; H3-K9-HMTase 4; Lysine N-methyltransferase 1E; SET domain bifurcated 1; anti-SETDB1 antibody

PRODUCT SPECIFICATIONS

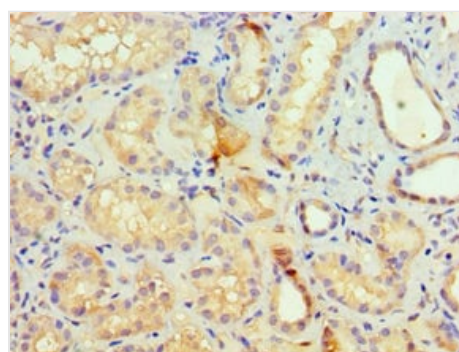
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	1291
Applicable Applications for anti-SETDB1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Histone-lysine N-methyltransferase SETDB1 protein(1-397aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-46112 / sc-66884
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



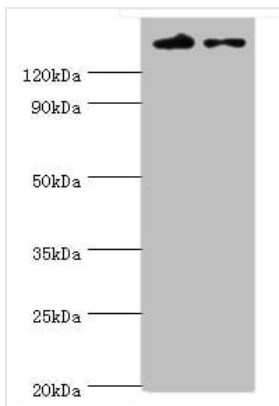
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using AAA119267 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using AAA119267 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: SETDB1 antibody at 5ug/mlLane 1:rat adrenal gland tissueLane 2:293T whole cell lysateSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 144,45 kDaObserved band size: 143 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-SETDB1 antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	224177467
NCBI GeneID	9869
NCBI Accession #	NP_001138887.1
NCBI GenBank Nucleotide #	NM_001145415.1
UniProt Accession #	Q15047 ; Q5SZD8 ; Q5SZD9 ; Q5SZE0 ; Q5SZE7 ; Q96GM9 ; A6NEW2
Molecular Weight	143,001 Da
NCBI Official Full Name	histone-lysine N-methyltransferase SETDB1 isoform 1
NCBI Official Synonym Full Names	SET domain bifurcated 1
NCBI Official Symbol	SETDB1
NCBI Official Synonym Symbols	ESET; KG1T; KMT1E; TDRD21; H3-K9-HMTase4
NCBI Protein Information	histone-lysine N-methyltransferase SETDB1
UniProt Protein Name	Histone-lysine N-methyltransferase SETDB1
UniProt Gene Name	SETDB1
UniProt Synonym Gene Names	KIAA0067; KMT1E; ESET; H3-K9-HMTase 4
UniProt Entry Name	SETB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.