

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

SETDB1 Polyclonal Antibody

CATALOG # AAA176580	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry
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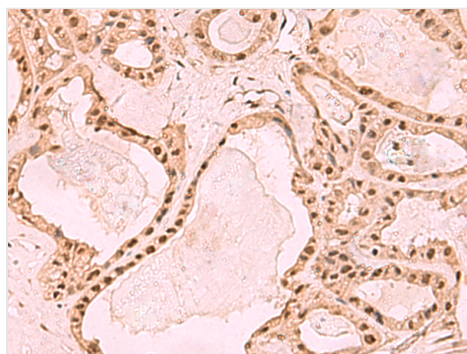
PRODUCT SYNONYMS

SETDB1; Polyclonal Antibody; SETDB1 Polyclonal Antibody; AU022152; EC 2.1.1.43; ERG-associated protein with SET domain; ESET; H3 K9 HMTase 4; H3-K9-HMTase 4; H3-K9-HMTase4; Histone H3 K9 methyltransferase 4; Histone H3-K9 methyltransferase 4; Histone-lysine N-methyltransferase SETDB1; KG1T; KIAA0067; KMT1E; Lysine N-methyltransferase 1E; MGC90670; MKIAA0067; SET domain bifurcated 1; Set domain protein; Bifurcated; 1; SETB1; Setdb1; anti-SETDB1 antibody

PRODUCT SPECIFICATIONS

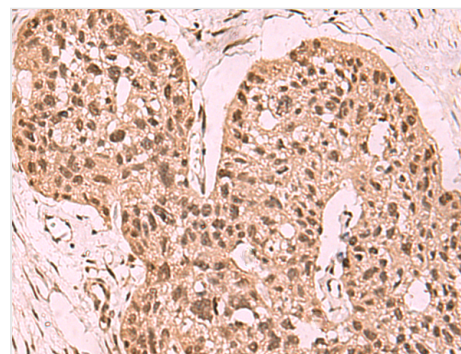
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4
Concentration	1.08mg/mL (varies by lot)
Sequence Length	1291
Applicable Applications for anti-SETDB1 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Fusion protein of human SETDB1
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using SETDB1 Polyclonal Antibody at dilution of 1:60(×200)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using SETDB1 Polyclonal Antibody at dilution of 1:60(×200)

ADDITIONAL INFORMATION

Related Product Information for anti-SETDB1 antibody	SETDB1, also named as ESET, KIAA0067 and KMT1E, belongs to the histone-lysine methyltransferase family. It is a SET domain protein with histone H3-K9-specific methyltransferase activity. H3 'Lys-9' trimethylation is coordinated with DNA methylation and represents a specific tag for epigenetic transcriptional repression by recruiting HP1 (CBX1, CBX3 and/or CBX5) proteins to methylated histones. SETDB1 mainly functions in euchromatin regions, thereby playing a central role in the silencing of euchromatic genes. It 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 regulates histone methylation, gene silencing, and transcriptional repression. It has been identified as a target for treatment in Huntington Disease, given that gene silencing and transcription dysfunction likely play a role in the disease pathogenesis.
Product Categories/Family for anti-SETDB1 antibody	Cancer; Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	25091210
NCBI GeneID	9869
UniProt Accession #	Q15047
NCBI Official Full Name	Histone-lysine N-methyltransferase SETDB1
NCBI Official Synonym Full Names	SET domain bifurcated histone lysine methyltransferase 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/setdb1-antibody-immunohistochemistry-elisa/176580>