

Datasheet

SETDB1 polyclonal antibody

Catalog Number: PAB10044

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of SETDB1.

Immunogen: A synthetic peptide corresponding to amino acids 1058-1075 of human SETDB1.

Host: Rabbit

Reactivity: Human

Applications: ELISA, IHC, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Recommend Usage: ELISA (1:10000-1:50000)
Western Blot (1:1000-1:2500)
The optimal working dilution should be determined by the end user.

Storage Buffer: In 20 mM KH₂PO₄, 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 9869

Gene Symbol: SETDB1

Gene Alias: ESET, KG1T, KIAA0067, KMT1E

Gene Summary: This gene encodes a histone methyltransferase. The encoded enzyme catalyzes the reaction of S-adenosyl-L-methionine and histone L-lysine to produce S-adenosyl-L-homocysteine and histone N(6)-methyl-L-lysine. The encoded protein likely functions in transcriptional repression. Alternatively

spliced transcript variants have been described]

References:

1. Methyl-CpG binding protein MBD1 couples histone H3 methylation at lysine 9 by SETDB1 to DNA replication and chromatin assembly. Sarraf SA, Stancheva I. Mol Cell. 2004 Aug 27;15(4):595-605.
2. mAM facilitates conversion by ESET of dimethyl to trimethyl lysine 9 of histone H3 to cause transcriptional repression. Wang H, An W, Cao R, Xia L, Erdjument-Bromage H, Chatton B, Tempst P, Roeder RG, Zhang Y. Mol Cell. 2003 Aug;12(2):475-87.
3. SETDB1: a novel KAP-1-associated histone H3, lysine 9-specific methyltransferase that contributes to HP1-mediated silencing of euchromatic genes by KRAB zinc-finger proteins. Schultz DC, Ayyanathan K, Negorev D, Maul GG, Rauscher FJ 3rd. Genes Dev. 2002 Apr 15;16(8):919-32.