

SETDB2 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant SETDB2.

Catalog # AT3833a

Product Information

Application	WB, E
Primary Accession	Q96T68
Other Accession	NM_031915
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1E3
Calculated MW	81894

Additional Information

Gene ID	83852
Other Names	Histone-lysine N-methyltransferase SETDB2, Chronic lymphocytic leukemia deletion region gene 8 protein, Lysine N-methyltransferase 1F, SET domain bifurcated 2, SETDB2, C13orf4, CLLD8, KMT1F
Target/Specificity	SETDB2 (NP_114121.1, 620 a.a. ~ 719 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	SETDB2 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

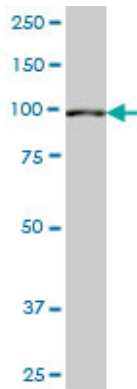
Proteins that contain a SET domain, such as SETDB2, modulate gene expression epigenetically through histone H3 (see MIM 601128) methylation. SETDB2 is likely a histone H3 methyltransferase, as it contains both the active site and flanking cysteine residues required for catalytic activity (Zhang et al., 2003 [PubMed 12754510]).

References

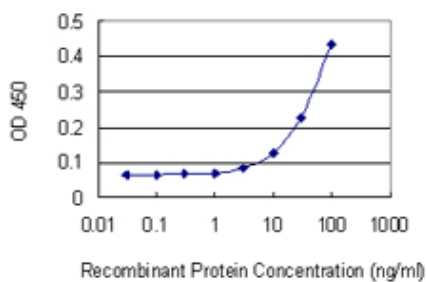
CLLD8/KMT1F is a lysine methyltransferase that is important for chromosome segregation. Falandry C, et al.

J Biol Chem, 2010 Jun 25. PMID 20404330. A multi-centre study of candidate genes for wheeze and allergy: the International Study of Asthma and Allergies in Childhood Phase 2. Genuneit J, et al. Clin Exp Allergy, 2009 Dec. PMID 20085599. Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. The DNA sequence and analysis of human chromosome 13. Dunham A, et al. Nature, 2004 Apr 1. PMID 15057823.

Images



SETDB2 monoclonal antibody (M07), clone 1E2. Western Blot analysis of SETDB2 expression in MES-SA/Dx5 (Cat # L021V1).



Detection limit for recombinant GST tagged SETDB2 is 3 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.