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SETDB2 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant SETDB2.
Catalog # AT3833a

Specification

SETDB2 Antibody (monoclonal) (M07) - Product Information

Application	**WB, E**
Primary Accession	Q96T68
Other Accession	NM_031915
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**81894**

SETDB2 Antibody (monoclonal) (M07) - 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

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.

SETDB2 Antibody (monoclonal) (M07) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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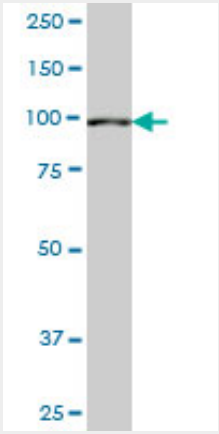
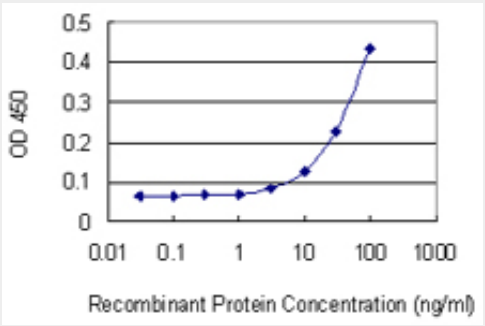
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SETDB2 Antibody (monoclonal) (M07) - 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.

SETDB2 Antibody (monoclonal) (M07) - 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]).

SETDB2 Antibody (monoclonal) (M07) - 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.