

Setd1b Antibody

ALTERNATE NAMES: SET1B, KMT2G

CATALOG #: 6843-50

AMOUNT: 50 µl

HOST/ISOTYPE: Rabbit

IMMUNOGEN: Polyclonal antibody raised in rabbit against mouse Setd1b (Set domain containing 1B), using a 3 KLH-conjugated synthetic peptides containing sequences from the central part of the protein

FORM: Liquid

FORMULATION: In PBS with 0.05% (W/V) sodium azide.

PURIFICATION: Whole antiserum from rabbit

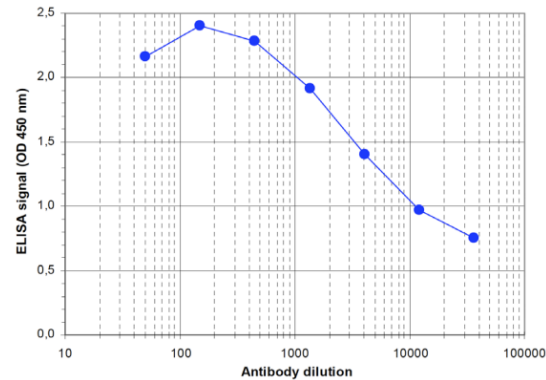
SPECIES REACTIVITY: Mouse.

STORAGE CONDITIONS: Store at -20°C; for long storage, store at -80°C. Avoid multiple freeze-thaw cycles.

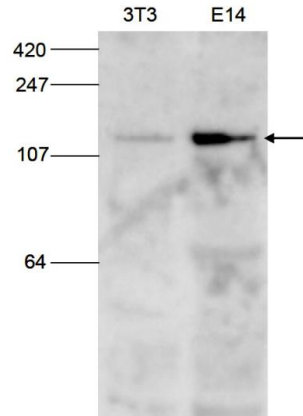
DESCRIPTION: SETD1B (UniProt/Swiss-Prot entry Q9UPS6) is a component of the SET1 histone methyltransferase (HMT) complex. This complex specifically methylates lysine 4 of histone H3, but only if the neighboring lysine 9 residue is not yet methylated. Methylation of H3K4 represents a specific tag for epigenetic transcriptional activation. SETD1B shows a non-overlapping localization with SETD1A, suggesting that both proteins play a specific role in the epigenetic control of chromatin structure and gene expression.

APPLICATION: ELISA: 1:100 – 1:500, Western Blot: 1:500.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



To determine the titer, an ELISA was performed using a serial dilution of the antibody. The wells were coated with the peptide used for immunization of the rabbit. By plotting the absorbance against the antibody dilution the titer of the antibody was estimated to be 1:8400.



Western blot was performed on whole cell lysates from mouse fibroblasts (NIH3T3) and embryonic stem cells (E14Tg2a) with the antibody diluted 1:500 in BSA/PBS-Tween. The molecular weight marker (in kDa) is shown on the left; the location of the protein of interest is indicated on the right.

RELATED PRODUCTS:

- SETD3 Antibody (Cat # 3197-200)
- SETDB1 Antibody (Cat # 6155-100)
- Set9 Antibody (Cat # 6841-25)
- SetD1a Antibody (Cat # 6842-50)
- SetD8 Antibody (Cat # 6844-25)

FOR RESEARCH USE ONLY! Not to be used on humans.

