

DNMT2 Antibody

ALTERNATE NAMES: TRDMT1, M.HsaIIP, PuMet, RNMT1

CATALOG #: 6848-50

AMOUNT: 50 µl

HOST/ISOTYPE: Rabbit

IMMUNOGEN: Polyclonal antibody raised in rabbit against mouse Dnmt2 (DNA methyltransferase 2), using a KLH conjugated synthetic peptide containing an amino acid sequence from the N-terminal part of the protein.

FORM: Liquid

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

PURIFICATION: Whole antiserum from rabbit

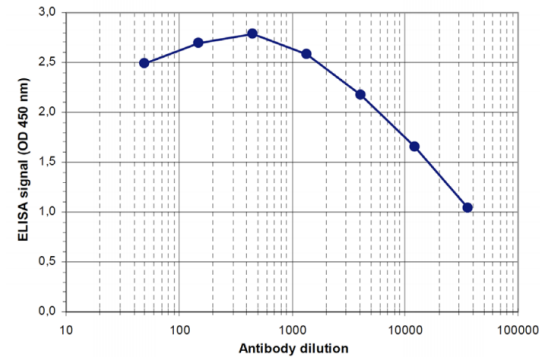
SPECIES REACTIVITY: Mouse

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

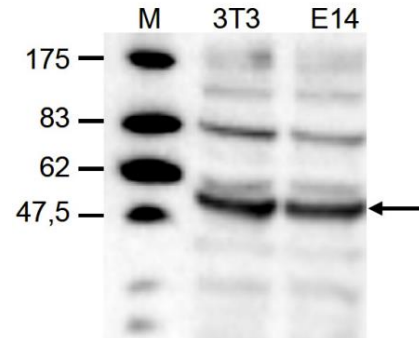
DESCRIPTION: Dnmt2 belongs to the family of DNA cytosine methyltransferases. Dnmt2, however, lacks the large N-terminal regulatory domain common to other eukaryotic methyltransferases and does not methylate CpG in genomic DNA. Instead, it specifically methylates cytosine 38 in the anticodon loop of Asp transfer RNA.

APPLICATION: Western Blot: 1:1000, ELISA: 1:100 – 1:1000.

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 1:21,000.



Western blot was performed on whole cell lysates of NIH3T3 cells and embryonic stem cells with the antibody diluted 1:1,000 in TBS-Tween containing 5% skimmed milk (Figure 2). 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:

- DNMT1 Antibody (Cat. No. 3946-100)
- Dnmt2 Antibody (Cat # 3488-100)
- Dnmt2a Antibody (Cat # 3227-100)
- Dnmt2a Antibody (Cat # 3275-100)
- DNA Methyltransferase 1 Monoclonal Antibody (Cat. No. 6110-50)
- DNA Methyltransferase 2 Polyclonal Antibody (Cat. No. 6111-50)
- DNA Methyltransferase 2 Monoclonal Antibody (Cat. No. 6112-50)
- DNA Methyltransferase 3b Monoclonal Antibody (Cat. No. 6114-50)
- DNA Methyltransferase 3a Monoclonal Antibody (Cat. No. 6115-50)

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