

Product datasheet for **TA347232**

KMT2B Rabbit Polyclonal Antibody

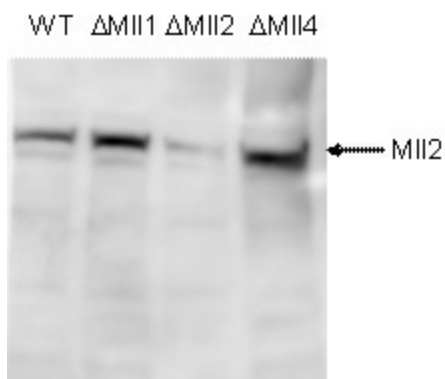
Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA (1:200 ?? 1:2,000) ; Western blotting (1:500)
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-Mll2 antibody: mouse Mll2 (Myeloid/lymphoid or mixed-lineage leukemia protein 2), using two KLH-conjugated synthetic peptides containing an amino acid sequence from the central and from the N-terminal part of the protein, respective
Concentration:	lot specific
Purification:	Whole antiserum from rabbit containing 0.05% azide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	lysine methyltransferase 2B
Database Link:	NP_055542 Entrez Gene 75410 Mouse Q9UMN6
Background:	Mll2 (UniProtKB/Swiss-Prot entry Q9UMN6) plays a role in H3K4 methylation and may therefore act as a transcriptional regulator. Mll2 is essential for embryonic development and may also be important for hematopoiesis. Further, Mll2 shows an elevated expression in solid tumor cell lines, and may be involved in cancer.
Synonyms:	CXXC10; HRX2; MLL1B; MLL2; MLL4; TRX2; WBP-7; WBP7
Protein Families:	Druggable Genome

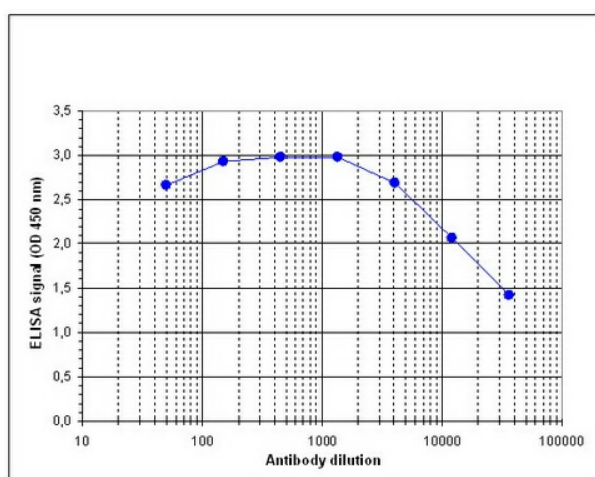


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Product images:



WB was performed on whole cell lysates from mouse embryonic stem cells (E14Tg2a) with the antibody against mouse MII2, diluted 1:500 in BSA/PBS-Tween. The location of the N-terminal fragment of MII2 is indicated on the right. Cells homozygous for the targeted conditional mII2 allele (Δ MII2) show a dramatic reduction of MII2 protein after partial recombination, whereas MII2 protein was detected in Δ MII1, Δ MII4 and WT E14Tg2a cells.



Determination of the titer To determine the titer, an ELISA was performed using a serial dilution of the antibody against mouse MII2. The wells were coated with the peptides used for immunisation of the rabbit. By plotting the absorbance against the antibody dilution (Figure 1), the titer of the antibody was estimated to be 1:32, 500.