



Anti-KMT2B (aa 2703-2715) polyclonal antibody (DPABH-19750)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Histone methyltransferase. Methylates Lys-4 of histone H3. H3 Lys-4 methylation represents a specific tag for epigenetic transcriptional activation. Plays a central role in beta-globin locus transcription regulation by being recruited by NFE2. Plays an important role in controlling bulk H3K4me during oocyte growth and preimplantation development. Required during the transcriptionally active period of oocyte growth for the establishment and/or maintenance of bulk H3K4 trimethylation (H3K4me3), global transcriptional silencing that preceeds resumption of meiosis, oocyte survival and normal zygotic genome activation.
Immunogen	Synthetic peptide corresponding to Human KMT2B/ MLL4 aa 2703-2715 (C terminal). Entrez gene ID: 9757Sequence: CNCGAKRCRRFLN Database link: Q9UMN6
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Protein G purified
Conjugate	Unconjugated
Applications	ELISA, IHC-P
Format	Liquid
Size	50 µg
Buffer	Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
Preservative	0.02% Sodium Azide

Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.
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GENE INFORMATION

Gene Name	KMT2B lysine (K)-specific methyltransferase 3B [Homo sapiens]
Official Symbol	KMT2B
Synonyms	KMT2B; lysine (K)-specific methyltransferase 2B; HRX2; MLL2; MLL4; TRX2; WBP7; MLL1B; WBP-7; histone-lysine N-methyltransferase 2B; trithorax homologue 2; WW domain binding protein 7; mixed lineage leukemia gene homolog 2; histone-lysine N-methyltransferase MLL4; myeloid/lymphoid or mixed-lineage leukemia protein 4; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila) 4;
Entrez Gene ID	9757
Protein Refseq	NP_055542.1
UniProt ID	Q9UMN6
Pathway	Lysine degradation.
Function	DNA binding; histone methyltransferase activity (H3-K4 specific); protein binding; sequence-specific DNA binding transcription factor activity