



Anti-DOT1L (aa 3-108) polyclonal antibody (DPAB-DC3479)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a histone methyltransferase that methylates lysine-79 of histone H3. It is inactive against free core histones, but shows significant histone methyltransferase activity against nucleosomes.
Immunogen	DOT1L (NP_115871, 3 a.a. ~ 108 a.a) partial recombinant protein with GST tag. The sequence is EKLELRKSPVGAEPVYPWPLPVYDKHHDAAEHIIETIRWVCEEIPDLKLAMENYVLID YDTKSFESMQRLCDKYNRAIDSIHQLWKGTTPMKLNTRPSTGLLR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [DOT1L DOT1-like histone H3K79 methyltransferase \[Homo sapiens \(human\) \]](#)

Official Symbol	DOT1L
Synonyms	DOT1L; DOT1-like histone H3K79 methyltransferase; DOT1; KMT4; histone-lysine N-methyltransferase, H3 lysine-79 specific; H3-K79-HMTase; DOT1-like protein; lysine N-methyltransferase 4; histone methyltransferase DOT1L; histone H3-K79 methyltransferase; DOT1-like, histone H3 methyltransferase;
Entrez Gene ID	84444
Protein Refseq	NP_115871
UniProt ID	Q8TEK3
Chromosome Location	19p13.3
Pathway	Lysine degradation; Transcriptional misregulation in cancer;
Function	DNA binding; histone-lysine N-methyltransferase activity; protein binding; transcription factor binding