



## 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

<b>Antigen Description</b>	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.
<b>Immunogen</b>	DOT1L (NP_115871, 3 a.a. ~ 108 a.a) partial recombinant protein with GST tag. The sequence is  EKLELRLKSPVGAEPAVYPWPLPVYDKHHDAHEIIETIRWVCEEIPDLKLAMENYVLID YDTKSFESMQRLCDKYNRAIDSIHQLWKGTTQPMKLNTRPSTGLLR
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">DOT1L DOT1-like histone H3K79 methyltransferase [ Homo sapiens (human) ]</a>
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<b>Official Symbol</b>	DOT1L
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">84444</a>
<b>Protein Refseq</b>	<a href="#">NP_115871</a>
<b>UniProt ID</b>	<a href="#">Q8TEK3</a>
<b>Chromosome Location</b>	19p13.3
<b>Pathway</b>	Lysine degradation; Transcriptional misregulation in cancer;
<b>Function</b>	DNA binding; histone-lysine N-methyltransferase activity; protein binding; transcription factor binding

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