



# Anti-DOT1L polyclonal antibody (DPAB-DC899)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	DOT1L (DOT1-like histone H3K79 methyltransferase) is a protein-coding gene. Diseases associated with DOT1L include osteoarthritis, and hepatocellular carcinoma. GO annotations related to this gene include transcription factor binding and histone-lysine N-methyltransferase activity.
<b>Specificity</b>	Specific to recombinant protein GX1988. This antibody detects mDOT1L protein.
<b>Immunogen</b>	Recombinant GST fusion protein corresponding to 301 amino acids of mouse Dot1l.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB,
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	In PBS (50% glycerol, 0.02% sodium azide)
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name** [Dot1l DOT1-like, histone H3 methyltransferase \(S. cerevisiae\) \[ Mus musculus \(house mouse\) \]](#)

<b>Official Symbol</b>	DOT1L
<b>Synonyms</b>	DOT1L; DOT1-like, histone H3 methyltransferase (S. cerevisiae); Dot1; KMT4; mDot1; AW907654; A630076O07; histone-lysine N-methyltransferase, H3 lysine-79 specific; histone methyltransferase DOT1L; histone H3 methyltransferase DOT1; DOT1-like histone H3 methyltransferase;
<b>Entrez Gene ID</b>	<a href="#">208266</a>
<b>Protein Refseq</b>	<a href="#">NP_955354</a>
<b>UniProt ID</b>	<a href="#">Q6XZL8</a>
<b>Chromosome Location</b>	10 C1; 10
<b>Pathway</b>	Lysine degradation; Transcriptional misregulation in cancer;
<b>Function</b>	histone methyltransferase activity; histone-lysine N-methyltransferase activity; methyltransferase activity; transcription factor binding