## For Research Use Only DOT1L Polyclonal antibody Catalog Number: 28145-1-AP

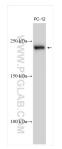


Basic Information	Catalog Number: 28145-1-AP	GenBank Accession Number: NM_032482	Purification Method: Antigen affinity purification	
	Size: 500 ug/ml	GenelD (NCBI): 84444	Recommended Dilutions: WB 1:1000-1:6000	
	Source: Rabbit	UNIPROT ID: Q8TEK3		
	Isotype: IgG Immunogen Catalog Number: AG27229	Full Name: DOT1-like, histone H3 methyltransferase (S. cerevisiae) Calculated MW: 185 kDa		
				Observed MW: 185~200 kDa
		Applications	Tested Applications: WB, ELISA	Positive Controls: WB : PC-12 cells,
Species Specificity: human, rat				
Background Information	methylation which is an activatin 34187895). DOT1L forms a compl (MLLr), and is believed to regulate directly interact with RNAPII phos	DOT1L (Disruptor of telomeric silencing 1-like) is the only known histone methyltransferse catalyzing H3K79 methylation which is an activating mark for gene transcription by promoting transcriptional elongation (PMID: 34187895). DOT1L forms a complex with AF10/AF17 and ENL/AF9, is dysregulated in mixed-lineage leukemia (MLLr), and is believed to regulate transcriptional elongation without direct evidence. DOT1L has been reported to directly interact with RNAPII phosphorylated on Ser2 and/or Ser5 of the C-terminal domain (CTD) of its largest subunit. Loss of Dot1L results in yolk sac angiogenesis defects and embryonic lethality (PMID: 18787701).		
Storage	Storage: Store at -20°C. Stable for one year Storage Buffer: PBS with 0.02% sodium azide and Aliquoting is unnecessary for -20°	1 50% glycerol pH 7.3.		

For technical support and original validation data for this product please contact: T: 4006900926 E: Proteintech-CN@ptglab.com W: ptg W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28145-1-AP (DOT1L antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.