



DOT1L Monoclonal Antibody

Catalog No	YP-mAb-06605
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	DOT1L KIAA1814 KMT4
Protein Name	Histone-lysine N-methyltransferase, H3 lysine-79 specific (EC 2.1.1.43) (DOT1-like protein) (Histone H3-K79 methyltransferase) (H3-K79-HMTase) (Lysine N-methyltransferase 4)
Immunogen	Synthesized peptide derived from human protein . at AA range: 700-780
Specificity	DOT1L Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	191kD
Cell Pathway	Nucleus .
Tissue Specificity	Brain,Epithelium,Spleen,
Function	catalytic activity:S-adenosyl-L-methionine + histone L-lysine = S-adenosyl-L-homocysteine + histone N(6)-methyl-L-lysine.,function:Histone methyltransferase. Methylates 'Lys-79' of histone H3. Nucleosomes are preferred as substrate compared to free histones. Binds to DNA.,miscellaneous:In contrast to other lysine histone methyltransferase, it does not contain a SET domain, suggesting the existence of another mechanism for methylation of lysine residues of histones.,similarity:Belongs to the DOT1 family.,
Background	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. [provided by RefSeq, Aug 2011],
matters needing attention	Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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