



DOT1L Polyclonal Antibody

Catalog No	YP-Ab-06605
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	DOT1L KIAA1814 KMT4
Immunogen	Synthesized peptide derived from human protein . at AA range: 700-780
Specificity	DOT1L Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Lysine N methyltransferase 4;KMT4;KIAA1814;H3 K79 HMTase;DOT1 like protein;DOT1L;DOT1L KIAA1814 KMT4;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)
Observed Band	185~200 kDa
Calculated Molecular Weight	185 kDa
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.

Products Images