
Product Name: MLL Rabbit Polyclonal Antibody**Catalog #: APRab13959**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000

Molecular Weight

Antigen Information

Gene Name	MLL ALL1 CXXC7 HRX HTRX KMT2A MLL1 TRX1 Histone-lysine N-methyltransferase MLL (EC 2.1.1.43;ALL-1;CXXC-type zinc finger protein 7;Lysine N-methyltransferase 2A;KMT2A;Trithorax-like protein;Zinc finger protein HRX)
Alternative Names	[Cleaved into: MLL cleavage product N320 (N-terminal cleavage product of 320 kDa;p320); MLL cleavage product C180 (C-terminal cleavage product of 180 kDa;p180)]
Gene ID	4297.0
SwissProt ID	Q03164
Immunogen	Synthetic peptide from human protein at AA range: 3850-3900

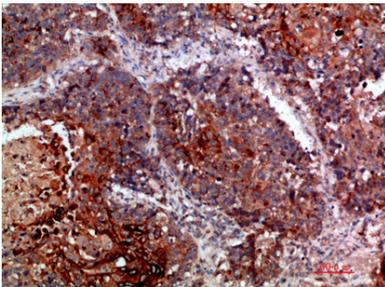
Background

This gene encodes a transcriptional coactivator that plays an essential role in regulating gene expression during early development and hematopoiesis. The encoded protein contains multiple conserved functional domains. One of these domains, the SET domain, is responsible for its histone H3 lysine 4 (H3K4) methyltransferase activity which mediates chromatin modifications associated with epigenetic transcriptional activation. This protein is processed by the enzyme Taspase 1 into two fragments, MLL-C and MLL-N. These fragments reassociate and further assemble into different multiprotein complexes that regulate the transcription of specific target genes, including many of the HOX genes. Multiple chromosomal translocations involving this gene are the cause of certain acute lymphoid leukemias and acute myeloid leukemias. Alternate splicing results in multiple transcript variants.[provided by RefScat
catalytic activity:S-adenosyl-L-methionine + histone L-lysine = S-adenosyl-L-homocysteine + histone N(6)-methyl-L-lysine.,similarity:Contains 1 post-SET domain.,similarity:Contains 1 SET domain.,

Research Area

Apoptosis

Image Data



Immunohistochemical analysis of paraffin-embedded human-lung-cancer, antibody was diluted at 1:200