

Summary

Production Name	MLL Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human, Mouse, Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
lsotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

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
Alternative Names	protein HRX) [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.Synthetic peptide from human protein at AA range: 3850-3900

Application

Dilution Ratio

IHC 1:100-1:300 ELISA: 1:10000

Molecular Weight



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 RefScatalytic 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

Image Data



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

Note

For research use only.