



# MLL Polyclonal Antibody

Cat No: HR1AP9780

For research use only

## Overview

Product Name	MLL Polyclonal Antibody
Source	Rabbit
Applications	IHC-p,ELISA
Species Reactivity	Human,Mouse,Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	kDa
GenelD?Human?	MLL ALL1 CXXC7 HRX HTRX KMT2A MLL1 TRX1
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	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) [Cleaved into:
Background	lysine methyltransferase 2A(KMT2A) Homo sapiens 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 RefS