

Rabbit MLL Polyclonal Antibody | anti-MLL antibody

MLL Polyclonal Antibody

CATALOG # AAA173896	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry
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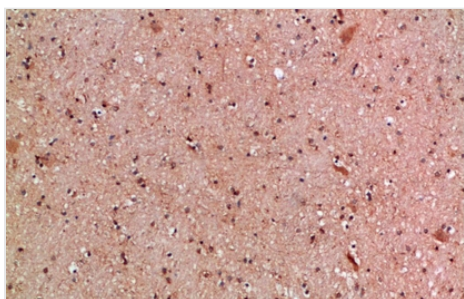
PRODUCT SYNONYMS

MLL; Polyclonal Antibody; MLL Polyclonal Antibody; 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: MLL cleavage product N320 (N-terminal cleavage product of 320 kDa) (p320); MLL cleavage product C180 (C-terminal cleavage product of 180 kDa) (p180)]; anti-MLL antibody

PRODUCT SPECIFICATIONS

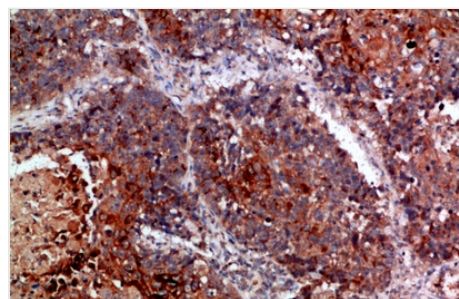
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/mL (varies by lot)
Sequence Length	3972
Applicable Applications for anti-MLL antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Synthetic peptide from human protein
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human brain tissue using MLL Polyclonal Antibody at dilution of 1:200.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human lung cancer tissue using MLL Polyclonal Antibody at dilution of 1:200.

ADDITIONAL INFORMATION

Related Product Information for anti-MLL antibody	KMT2A (Lysine Methyltransferase 2A) is a Protein Coding gene. Diseases associated with KMT2A include Wiedemann-Steiner Syndrome and Acute Biphenotypic Leukemia. Among its related pathways are Circadian rythm related genes and Lysine degradation. GO annotations related to this gene include transcription factor activity, sequence-specific DNA binding and identical protein binding. An important paralog of this gene is KMT2B.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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	308199413
NCBI GeneID	4297
NCBI Accession #	NP_001184033.1
NCBI GenBank Nucleotide #	NM_001197104.1
UniProt Accession #	Q03164; Q13743; Q13744; Q14845; Q16364; Q59FF2; Q6UBD1; Q9HBJ3; Q9UD94; Q9UMA3; E9PQG7
Molecular Weight	432,052 Da
NCBI Official Full Name	histone-lysine N-methyltransferase 2A isoform 1
NCBI Official Synonym Full Names	lysine methyltransferase 2A
NCBI Official Symbol	KMT2A
NCBI Official Synonym Symbols	HRX; MLL; MLL1; TRX1; ALL-1; CXXC7; HTRX1; MLL1A; WDSTS
NCBI Protein Information	histone-lysine N-methyltransferase 2A
UniProt Protein Name	Histone-lysine N-methyltransferase 2A
UniProt Gene Name	KMT2A
UniProt Synonym Gene Names	ALL1; CXXC7; HRX; HTRX; MLL; MLL1; TRX1; Lysine N-methyltransferase 2A; p320; p180

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ml-antibody-immunohistochemistry-elisa/173896>