

Rabbit MLL Polyclonal Antibody | anti-MLL antibody

MLL Polyclonal Antibody

CATALOG # AAA29358	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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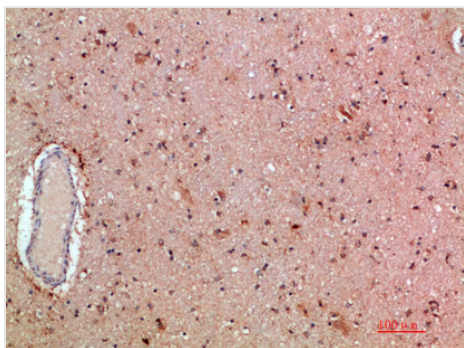
PRODUCT SYNONYMS

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

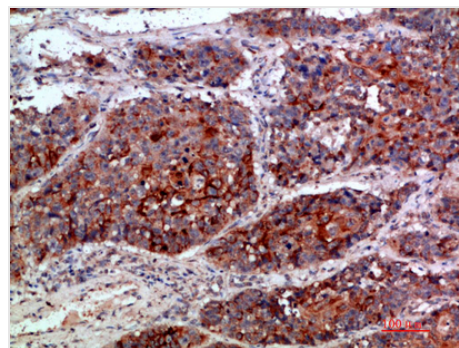
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Applicable Applications for anti-MLL antibody	IHC (Immunohistochemistry)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

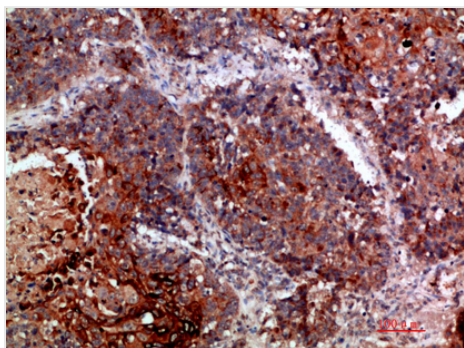
IMAGES



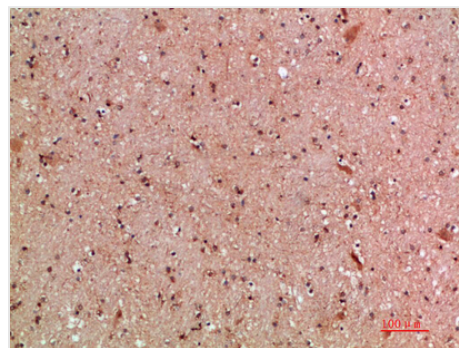
IHC (Immunohistochemistry)
Dilution: IHC-p 1:50-200, ELISA 1:10000-20000



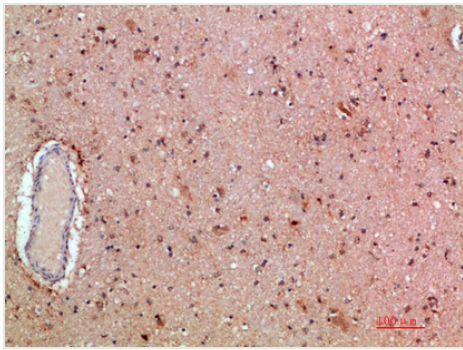
IHC (Immunohistochemistry)
Dilution: IHC-p 1:50-200, ELISA 1:10000-20000



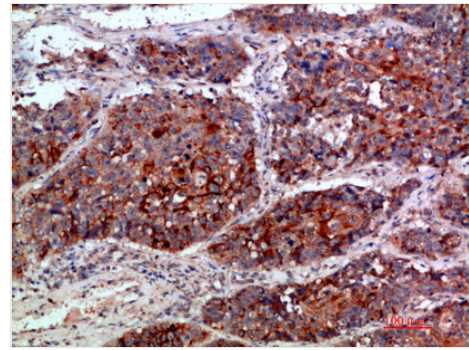
IHC (Immunohistochemistry)
Dilution: IHC-p 1:50-200, ELISA 1:10000-20000



IHC (Immunohistochemistry-Paraffin)
Dilution: IHC-p 1:50-200, ELISA 1:10000-20000



IHC (Immunohistochemistry-Paraffin)
Dilution: IHC-p 1:50-200, ELISA 1:10000-20000



IHC (Immunohistochemistry-Paraffin)
Dilution: IHC-p 1:50-200, ELISA 1:10000-20000

ADDITIONAL INFORMATION

Related Product Information for anti-MLL antibody

Histone methyltransferase that plays an essential role in early development and hematopoiesis. Catalytic subunit of the MLL1/MLL complex, a multiprotein complex that mediates both methylation of 'Lys-4' of histone H3 (H3K4me) complex and acetylation of 'Lys-16' of histone H4 (H4K16ac). In the MLL1/MLL complex, it specifically mediates H3K4me, a specific tag for epigenetic transcriptional activation (PubMed:20677832, PubMed:26886794). Has weak methyltransferase activity by itself, and requires other component of the MLL1/MLL complex to obtain full methyltransferase activity (PubMed:26886794). Has no activity toward histone H3 phosphorylated on 'Thr-3', less activity toward H3 dimethylated on 'Arg-8' or 'Lys-9', while it has higher activity toward H3 acetylated on 'Lys-9'. Binds to unmethylated CpG elements in the promoter of target genes and helps maintain them in the nonmethylated state (PubMed:20677832, PubMed:20010842). Promotes PPP1R15A-induced apoptosis. Plays a critical role in the control of circadian gene expression and is essential for the transcriptional activation mediated by the CLOCK-ARNTL/BMAL1 heterodimer. Establishes a permissive chromatin state for circadian transcription by mediating a rhythmic methylation of 'Lys-4' of histone H3 (H3K4me) and this histone modification directs the circadian acetylation at H3K9 and H3K14 allowing the recruitment of CLOCK-ARNTL/BMAL1 to chromatin (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	146345435
NCBI GeneID	4297
UniProt Accession #	Q03164; Q13743; Q13744; Q14845; Q16364; Q59FF2; Q6UBD1; Q9HBJ3; Q9UD94; Q9UMA3; E9PQG7
Molecular Weight	3969
NCBI Official Full Name	Histone-lysine N-methyltransferase 2A
NCBI Official Synonym Full Names	lysine (K)-specific methyltransferase 2A
NCBI Official Symbol	KMT2A
NCBI Official Synonym Symbols	HRX; MLL; MLL1; TRX1; ALL-1; CXXC7; HTRX1; MLL1A; WDSTS; MLL/GAS7; TET1-MLL
NCBI Protein Information	histone-lysine N-methyltransferase 2A; trithorax-like protein; CDK6/MLL fusion protein; MLL/GAS7 fusion protein; MLL/GMPS fusion protein; zinc finger protein HRX; mixed lineage leukemia 1; MLL-AF4 der(11) fusion protein; CXXC-type zinc finger protein 7; m
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
UniProt Entry Name	KMT2A_HUMAN

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.