

Rabbit anti-Human MLL1 Polyclonal Antibody | anti-MLL1 antibody

Rabbit anti-MLL1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210913	Rabbit	Human	Chromatin Immunoprecipitation, Immunoprecipitation, Chromatin Immunoprecipitation, Immunoprecipitation, Immunoprecipitation, Western Blot

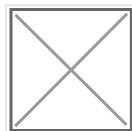
PRODUCT SYNONYMS

MLL1; Polyclonal Antibody; Rabbit anti-MLL1 Antibody; Affinity Purified; WDSTS; TRX1; trithorax-like protein; Myeloid/lymphoid or mixed-lineage leukemia protein 1; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog; Drosophila); Myeloid/lymphoid or mixed-lineage leukemia; MLL1A; lysine (K)-specific methyltransferase 2A; zinc finger protein HRX; lysine N-methyltransferase 2A; HTRX1; HRX; histone-lysine N-methyltransferase 2A; CXXC-type zinc finger protein 7; CXXC7; ALL-1; mixed lineage leukemia 1; MLL; Histone-lysine N-methyltransferase 2A; lysine methyltransferase 2A; anti-MLL1 antibody

PRODUCT SPECIFICATIONS

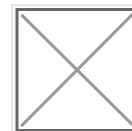
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-MLL1 antibody	ChIP (Chromatin immunoprecipitation), ChIP (Chromatin immunoprecipitation), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Mouse
Immunogen	Between 2725 and 2775
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human MLL1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-MLL1 antibody AAA210913 (lot AAA210913-5) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human MLL1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-MLL1 antibody AAA210913 (lot AAA210913-5) used for IP at 3 ug per reaction. MLL1 was also immunoprecipitated by rabbit anti-MLL1 antibody BL1412. For blotting immunoprecipitated MLL1, AAA210913 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



ChIP (Chromatin Immunoprecipitation)

ChIP-chip scatter plot of anti-MLL1 (AAA210913) enriched DNA binding sites versus input reference DNA. A. 10 ug of AAA210913 was used to immunoprecipitate chromatin from K-562 cells according to Ren et al (Genes Dev. 2002 16: 245-256). Immunoprecipitated DNA and reference DNA were amplified via ligation-mediated PCR and the products labeled with fluorescent dUTPs. The labeled ChIP and reference DNA were pooled, hybridized to a DNA microarray, and analyzed. Data points below the +3 SD curve (red line) represent significantly enriched binding sites. B. As a control, a similar experiment was performed using normal rabbit IgG. Compared to the anti-MLL1 ChIP, normal rabbit IgG showed little enrichment.

ADDITIONAL INFORMATION

Related Product Information for anti-MLL1 antibody	MLL1 (mixed lineage leukemia 1) has been found to participate in a multitude of chromosomal translocations that are associated with a variety of hematologic malignancies. MLL1 functions as a transcriptional regulator and plays an important role in HOX gene expression during embryonic development.
Product Categories/Family for anti-MLL1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	56550039
NCBI GeneID	4297
NCBI Accession #	NP_005924.2
NCBI GenBank Nucleotide #	NM_005933.3
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 2
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/GMP5 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.