

Rabbit KMT2A Polyclonal Antibody | anti-KMT2A antibody

KMT2A Rabbit Polyclonal Antibody

CATALOG # AAA314603	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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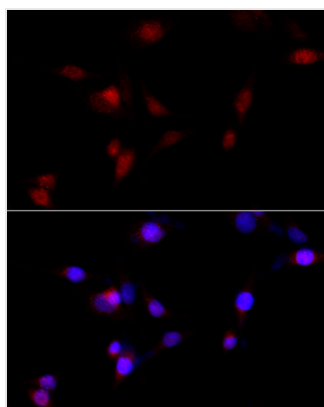
PRODUCT SYNONYMS

KMT2A; Polyclonal Antibody; KMT2A Rabbit Polyclonal Antibody; ALL-1; CXXC7; HRX; HTRX1; MLL; MLL1; MLL1A; TRX1; WDSTS; MLL-AF9; MLL/GAS7; TET1-MLL; anti-KMT2A antibody

PRODUCT SPECIFICATIONS

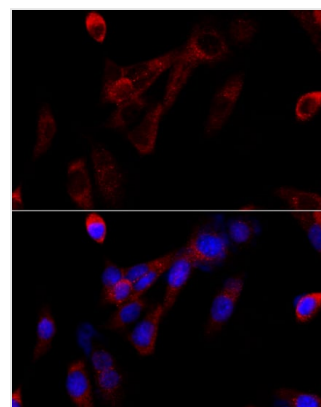
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-KMT2A antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human KMT2A (NP_005924.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



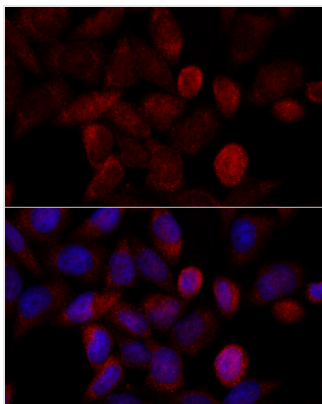
IF (Immunofluorescence)

Immunofluorescence analysis of PC-12 cells using KMT2A antibody.



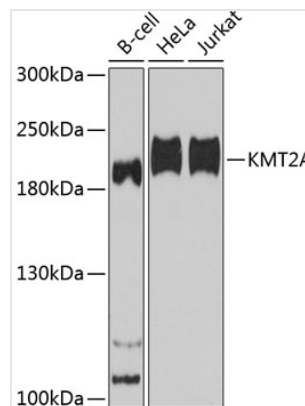
IF (Immunofluorescence)

Immunofluorescence analysis of NIH3T3 cells using KMT2A antibody.



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using KMT2A antibody.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using KMT2A antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-KMT2A antibody

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.

Product Categories/Family for anti-KMT2A antibody

[Primary Antibody](#)

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.