

Rabbit anti-Human MLL2 Polyclonal Antibody | anti-MLL2 antibody

MLL2 Antibody

CATALOG # AAA328043	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

MLL2; Polyclonal Antibody; MLL2 Antibody; AAD10; ALL1 related gene; ALL1-related protein; ALR; CAGL114; Histone-lysine N-methyltransferase MLL2; KABUK1; Kabuki make up syndrome; Kabuki mental retardation syndrome; KMS; KMT2B; KMT2D; Lysine N methyltransferase 2D; Lysine N-methyltransferase 2B; MLL2_HUMAN; MLL4; Myeloid/lymphoid or mixed lineage leukemia 2; Myeloid/lymphoid or mixed-lineage leukemia protein 2; TNRC21; Trinucleotide repeat containing 21; anti-MLL2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	MLL2 antibody detects endogenous levels of total MLL2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	5537
Applicable Applications for anti-MLL2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MLL2
Subcellular Location	Nucleus.
Tissue Specificity	Expressed in most adult tissues, including a variety of hematopoietic cells, with the exception of the liver.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (83%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of MLL2 using Jurkat whole cell lysates



IHC (Immunohistochemistry)
AAA328043 at 1/100 staining human Prostate carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-MLL2 antibody	Function: Histone methyltransferase. Methylates 'Lys-4' of histone H3 (H3K4me). H3K4me represents a specific tag for epigenetic transcriptional activation. Acts as a coactivator for estrogen receptor by being recruited by ESR1, thereby activating transcription. Subunit Structure: Component of the MLL2/3 complex (also named ASCOM complex), at least composed of KMT2D/MLL2 or KMT2C/MLL3, ASH2L, RBBP5, WDR5, NCOA6, DPY30, KDM6A, PAXIP1/PTIP, PAGR1 and alpha-and beta-tubulin. Interacts with ESR1; interaction is direct. Similarity: LXXLL motifs 5 and 6 are essential for the association with ESR1 nuclear receptor. Belongs to the class V-like SAM-binding methyltransferase superfamily. Histone-lysine methyltransferase family. TRX/MLL subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148762969
NCBI GeneID	8085
NCBI Accession #	NP_003473.3
NCBI GenBank Nucleotide #	NM_003482.3
UniProt Accession #	O14686; O14687
Molecular Weight	Observed: 593 kDa Predicted: 594 kDa
NCBI Official Full Name	histone-lysine N-methyltransferase 2D
NCBI Official Synonym Full Names	lysine methyltransferase 2D
NCBI Official Symbol	KMT2D
NCBI Official Synonym Symbols	ALR; KMS; MLL2; MLL4; AAD10; KABUK1; TNRC21; CAGL114
NCBI Protein Information	histone-lysine N-methyltransferase 2D
UniProt Protein Name	Histone-lysine N-methyltransferase 2D
UniProt Gene Name	KMT2D
UniProt Synonym Gene Names	ALR; MLL2; MLL4; Lysine N-methyltransferase 2D

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/ml2-antibody-immunohistochemistry-western-blot-elisa/328043>