

Rabbit anti-Human MLL3 Polyclonal Antibody | anti-KMT2C antibody

MLL3 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290729	Rabbit	Human	ELISA, Immunohistochemistry

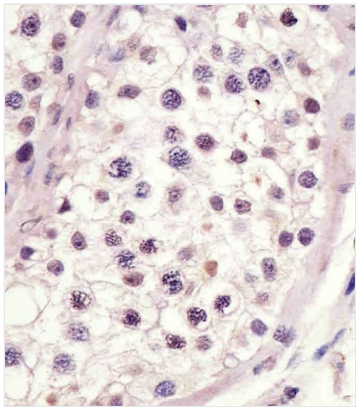
PRODUCT SYNONYMS

MLL3; Polyclonal Antibody; MLL3 Antibody (C-term); Histone-lysine N-methyltransferase 2C; Lysine N-methyltransferase 2C; 2.1.1.43; Homologous to ALR protein; Myeloid/lymphoid or mixed-lineage leukemia protein 3; KMT2C; HALR; KIAA1506; anti-KMT2C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Ig
Specificity	This MLL3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 3784-3818 amino acids from the C-terminal region of human MLL3.
Purity/Purification	Purified
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	4911
Applicable Applications for anti-KMT2C antibody	ELISA, IHC (Immunohistochemistry)
Cellular Location	Nucleus.
Tissue Location	Highly expressed in testis and ovary, followed by brain and liver. Also expressed in placenta, peripheral blood, fetal thymus, heart, lung and kidney. Within brain, expression was highest in hippocampus, caudate nucleus, and substantia nigra. Not detected in skeletal muscle and fetal liver.
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)
Staining MLL3 in human testis tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 degree C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-KMT2C antibody	Histone methyltransferase. Methylates 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. Central component of the MLL2/3 complex, a coactivator complex of nuclear receptors, involved in transcriptional coactivation. KMT2C/MLL3 may be a catalytic subunit of this complex. May be involved in leukemogenesis and developmental disorder.
References	Ruault M.,et al.Gene 284:73-81 (2002). Tan Y.C.,et al.Cancer Detect. Prev. 25:454-469 (2001). Hillier L.W.,et al.Nature 424:157-164 (2003). Nagase T.,et al.DNA Res. 7:143-150 (2000). Nakajima D.,et al.DNA Res. 9:99-106 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	91718902
NCBI GeneID	58508
NCBI Accession #	NP_733751.2
NCBI GenBank Nucleotide #	NM_170606.2
UniProt Accession #	Q8NEZ4; Q8NC02; Q8NDF6; Q9H9P4; Q9NR13; Q9P222; Q9UDR7
Molecular Weight	541370
NCBI Official Full Name	histone-lysine N-methyltransferase 2C
NCBI Official Synonym Full Names	lysine methyltransferase 2C
NCBI Official Symbol	KMT2C
NCBI Official Synonym Symbols	HALR; MLL3
NCBI Protein Information	histone-lysine N-methyltransferase 2C
UniProt Protein Name	Histone-lysine N-methyltransferase 2C
UniProt Gene Name	KMT2C
UniProt Synonym Gene Names	HALR; KIAA1506; MLL3; Lysine N-methyltransferase 2C
UniProt Entry Name	KMT2C_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ml13-antibody-immunohistochemistry-elisa/290729>