

Rabbit anti-Human HRX Polyclonal Antibody | anti-KMT2A antibody

HRX Antibody (C-term)

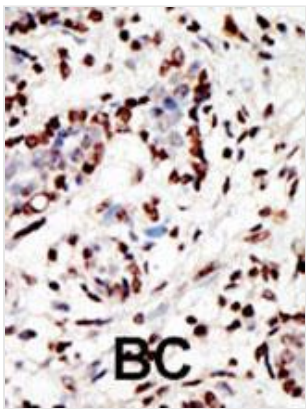
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284259	Rabbit	Human	Immunohistochemistry, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

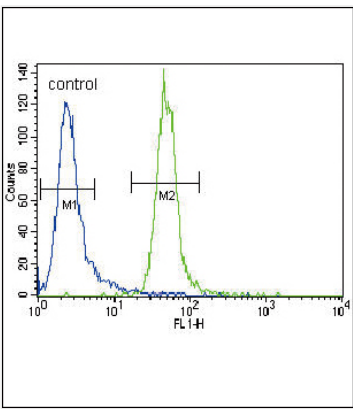
HRX; Polyclonal Antibody; HRX Antibody (C-term); Histone-lysine N-methyltransferase 2A; Lysine N-methyltransferase 2A; ALL-1; CXXC-type zinc finger protein 7; Myeloid/lymphoid or mixed-lineage leukemia; Myeloid/lymphoid or mixed-lineage leukemia protein 1; Trithorax-like protein; Zinc finger protein HRX; MLL cleavage product N320; N-terminal cleavage product of 320 kDa; p320; MLL cleavage product C180; C-terminal cleavage product of 180 kDa; p180; KMT2A; ALL1; CXXC7; HTRX; MLL; MLL1; TRX1; anti-KMT2A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HRX antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 3879-3908 amino acids from the C-terminal region of human HRX.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	3879-3908
Sequence Length	3,972
Applicable Applications for anti-KMT2A antibody	IHC (Immunohistochemistry), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



FCM/FACS (Flow Cytometry)
HRX Antibody (C-term) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL INFORMATION

Related Product Information for anti-KMT2A antibody	The gene variously symbolized ALL1, HRX, or MLL located on 11q23 has been demonstrated to be fused with a number of translocation partners in cases of leukemia. Tse et al. (1995) characterized 2 t(1;11)(q21;q23) translocations that fused the MLL gene to a gene on chromosomal band 1q21, AF1Q, in 2 infants with acute myelomonocytic leukemia. In one of these patients, the derivative chromosome 11 represented an in-frame fusion of the N-terminal portion of the MLL gene to the complete AF1Q open reading frame, whereas the derivative chromosome 1 did not give rise to an open reading frame. This observation suggested that the N-terminal portion of the MLL gene is critical for leukemogenesis in translocations involving band 11q23.
Product Categories/Family for anti-KMT2A antibody	Cancer
References	Megonigal, M.D., et al., Proc. Natl. Acad. Sci. U.S.A. 97(6):2814-2819 (2000). Pegram, L.D., et al., Blood 96(13):4360-4362 (2000). Sano, K., et al., Blood 95(3):1066-1068 (2000). Cui, X., et al., Nat. Genet. 18(4):331-337 (1998). Nilson, I., et al., Br. J. Haematol. 93(4):966-972 (1996).

NCBI AND UNIPROT INFORMATION

NCBI GI #	308199413
NCBI GeneID	4297
NCBI Accession #	NP_001184033.1; NP_005924.2
NCBI GenBank Nucleotide #	NM_001197104.1
UniProt Accession #	Q03164; Q13743; Q13744; Q14845; Q16364; Q59FF2; Q6UBD1; Q9HBJ3; Q9UD94; Q9UMA3; E9PQG7
Molecular Weight	431764
NCBI Official Full Name	histone-lysine N-methyltransferase 2A isoform 1
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-AF9; MLL/GAS7; TET1-MLL
NCBI Protein Information	histone-lysine N-methyltransferase 2A
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hrx-antibody-immunohistochemistry-flow-cytometry-elisa/284259>