Datasheet for ABIN387979

anti-MLL/KMT2A antibody (C-Term)

2 Images

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Overview

Quantity:	400 µL
Target:	MLL/KMT2A (MLL)
Binding Specificity:	AA 3879-3908, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MLL/KMT2A antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	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.
Clone:	RB02951
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	MLL/KMT2A (MLL)
Alternative Name:	HRX (MLL Products)

Target Details

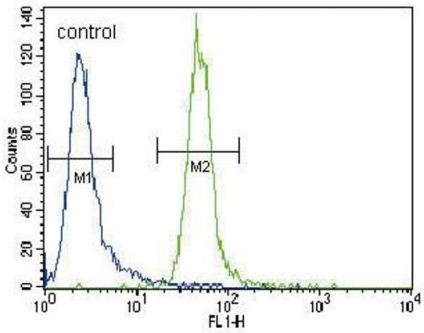
Background:	The gene variously symbolized ALL1, HRX, or MLL located on 11q23 has been demonstrated to be fused with a number of translocation partners in cases of leukemia. Tse et al. (1995) characterized 2 t(1,11)(q21,q23) translocations that fused the MLL gene to a gene on chromosomal band 1q21, AF1Q, 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.
Molecular Weight:	431764
Gene ID:	4297
NCBI Accession:	NP_001184033, NP_005924
UniProt:	Q03164
Pathways:	Warburg Effect

Application Details

Application Notes:	IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

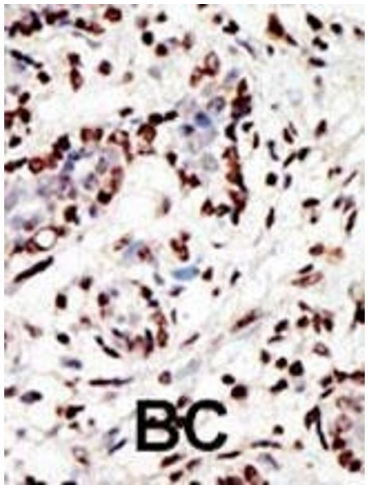
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. HRX Antibody (C-term) (ABIN387979 and ABIN2844802) 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.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. 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.