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MLLT6 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6192a

Product Information

Application	IHC-P, WB, E
Primary Accession	P55198
Other Accession	NP_005928
Reactivity	Human
Predicted	Mouse, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB2251/2252
Calculated MW	112048
Antigen Region	1056-1086

Additional Information

Gene ID	4302
Other Names	Protein AF-17, ALL1-fused gene from chromosome 17 protein, MLLT6, AF17
Target/Specificity	This MLLT6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1056-1086 amino acids from the C-terminal region of human MLLT6.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MLLT6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MLLT6 (HGNC:7138)
Function	Involved in the stimulation of renal sodium reabsorption mediated by the epithelial sodium channel (ENaC) (By similarity). Up- regulates ENaC expression in renal collecting duct cells by promoting DOT1L export from the

nucleus to the cytoplasm, thus limiting DOT1L- mediated H3K79 methylation and transcriptional repression at the SCNN1A promoter (PubMed:19864429, PubMed:22087315).

Cellular Location Nucleus. Cytoplasm

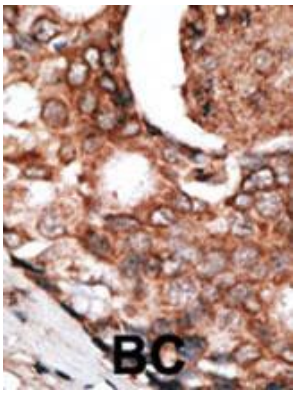
Background

Band 11q23 chromosome locations are associated with approximately 10% of patients with acute lymphoblastic leukemia (ALL) and more than 5% of patients with acute myeloid leukemia (AML). 11q23 translocation associated leukemias typically jointly express lymphoid and myeloid markers and exhibit poor prognosis. The gene at 11q23 involved in the translocations is known by multiple names, including ALL1, HRX, MLL, and TRX1. One of the more infrequent translocations, t(11;17)(q23;q21), MLLT6, encodes a protein of 1,093 amino acids, containing a leucine-zipper dimerization motif 3-prime to the fusion point and a cysteine-rich domain at the end terminus that can be arranged in 3 zinc fingers. MMLT6 contains amino acid runs associated with domains involved in transcriptional repression or activation. It has been proposed that MLLT6 represses truncated ALL1 function or inhibits function of the normal protein in leukemic cells.

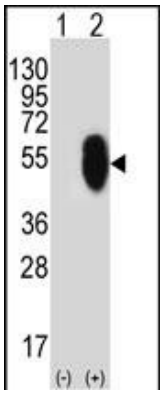
References

Prasad, R., et al., Proc. Natl. Acad. Sci. U.S.A. 91(17):8107-8111 (1994).

Images



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



Western blot analysis of MLLT6 (arrow) using rabbit polyclonal MLLT6 Antibody (E1071) (Cat. #AP6192a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the MLLT6 gene.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.