

MLLT11 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59039**Specification****MLLT11 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q13015
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	10 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MLLT11
Epitope Specificity	41-90/90
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the MLLT11 family.
DISEASE	Note=A chromosomal aberration involving MLLT11 is found in acute leukemias. Translocation t(1;11)(q21;q23) with MLL.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

The gene encoding the Mixed-Lineage Leukemia (MLL) proteins is located on chromosome 11q23. Chromosomal translocations involving band 11q23 result in rogue activator proteins that are associated with approximately 10% of patients with acute lymphoblastic leukemia (ALL) and 5% of patients with acute myeloid leukemia (AML). Most patients affected are less than 1 year of age. MLLT11, also known as mixed-lineage leukemia translocated to 11 or AF1q, is a 90 amino acid MLL fusion partner. Based on the expression patterns of MLLT11, it is thought that MLLT11 plays a role in leukemogenesis and, specifically, the progression of acute monocytic leukemia (AML). Also, expressed in embryonic brain cortex, MLLT11 is upregulated during neuronal differentiation and is thought to play a role in the development of the central nervous system. Finally, MLLT11 has been shown to be differentially expressed in highly metastatic cells, in comparison with non-metastatic parent cells. Such findings suggest a role of MLLT11 in tumorigenesis.

MLLT11 Polyclonal Antibody - Additional Information**Gene ID** 10962**Other Names**

Protein AF1q, MLLT11, AF1Q

Target/Specificity

Highly expressed in thymus and all leukemic cell lines.

Dilution

IHC-P ~ N/A
IHC-F ~ N/A
IF ~ 1:50 ~ 200
E ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

MLLT11 Polyclonal Antibody - Protein Information

Name MLLT11

Synonyms AF1Q

Function

Cofactor for the transcription factor TCF7 (PubMed:[26079538](http://www.uniprot.org/citations/26079538)). Involved in regulation of lymphoid development by driving multipotent hematopoietic progenitor cells towards a T cell fate (PubMed:[21715312](http://www.uniprot.org/citations/21715312)).

Cellular Location

Nucleus. Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome
Note=Continuous nuclear export is followed by degradation

Tissue Location

Expressed in myoepithelial cells of normal breast tissue (at protein level) (PubMed:26079538). Highly expressed in thymus (PubMed:7833468). Expressed in colon, small intestine, prostate and ovary. Not detected in peripheral blood lymphocytes and spleen (PubMed:7833468).

MLLT11 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MLLT11 Polyclonal Antibody - Images