

Datasheet for ABIN390125  
**anti-MLLT10 antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	400 µL
Target:	MLLT10
Binding Specificity:	AA 998-1027, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MLLT10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This MLLT10 (AF10) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 998-1027 amino acids from the C-terminal region of human MLLT10 (AF10).
Clone:	RB1930
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	MLLT10
Alternative Name:	MLLT10 (AF10) ( <a href="#">MLLT10 Products</a> )

## Target Details

**Background:** Translocations affecting chromosome 11q23 involve many partner chromosome regions and occur in various leukemias. The 11q23 gene involved in the translocations is MLL. MLLT10 is the partner gene to MLL1 involved in t(10,11)(p12,q23) translocations. In an analysis of two leukemia patients, the in t(10,11)(p12,q23) translocation fuses MLL1, a SET domain containing histone methyltransferase, to the MLLT10 gene. The MLLT10 gene encodes a predicted 1,027-amino acid protein containing an N-terminal zinc finger and a C-terminal leucine zipper domain. The MLLT10 gene is one of the few MLL partner genes to be independently rearranged with a third gene in leukemia, the CALM gene in the t(10,11)(p12,q14) translocation. Chimeric fusion proteins MLL/AF10 and CALM/AF10 consistently retain the leucine zipper motif of MLLT10. The leucine zipper interacts with GAS41, a protein previously identified as the product of an amplified gene in a glioblastoma. GAS41 interacts with integrase interactor-1 (INI1), a component of the SWI/SNF complex, which acts to remodel chromatin and to modulate transcription. Retention of the leucine zipper in the MLL and CALM fusions suggested that a key feature of these chimeric proteins may be their ability to interfere in normal gene regulation through interaction with the adenosine triphosphate-dependent chromatin remodeling complexes.

**Molecular Weight:** 113320

**Gene ID:** 8028

**NCBI Accession:** [NP\\_001182555](#), [NP\\_001182556](#), [NP\\_001182557](#), [NP\\_001182559](#), [NP\\_004632](#)

**UniProt:** [P55197](#)

## Application Details

**Application Notes:** WB: 1:1000. IHC-P: 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.

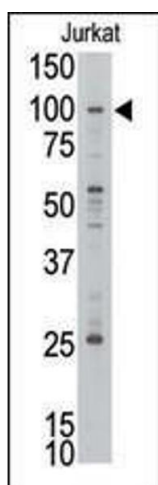
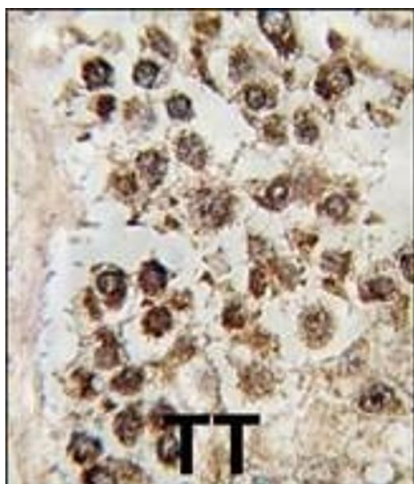
**Storage:** 4 °C, -20 °C

## Handling

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

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human testis tissue reacted with MLLT10 antibody (C-term), 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.

### Western Blotting

**Image 2.** Western blot analysis of anti-MLLT10 Pab (ABIN390125 and ABIN2840631) in Jurkat cell line lysate. MLLT10(arrow) was detected using the purified Pab.