

Datasheet for ABIN390129
anti-AF9 antibody (AA 407-438)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	AF9 (MLLT3)
Binding Specificity:	AA 407-438
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AF9 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This AF9 (MLLT3) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 407-438 amino acids from the Central region of human AF9 (MLLT3).
Clone:	RB6799
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	AF9 (MLLT3)
Alternative Name:	AF9 (MLLT3) (MLLT3 Products)

Target Details

Background: The human AF9 gene is one of the most common fusion partner genes with the ALL1 gene at 11q23 (also called MLL), resulting in the t(9,11)(p22,q23). The AF9 gene is more than 100 kb, and 2 patient breakpoint cluster regions (BCRs) have been identified, BCR1 is within intron 4, previously called site A, whereas BCR2 or site B spans introns 7 and 8. Several different structural elements have been identified in AF9, including a colocalizing in vivo DNA topo II cleavage site and an in vitro DNase I hypersensitive (DNase I HS) site in intron 7 in BCR2. Reversibility experiments demonstrated a religation of the topo II cleavage sites. In addition, 2 scaffold associated regions (SARs) are located centromeric to the topo II and DNase I HS cleavage sites and border breakpoint regions in 2 leukemic cells lines: SAR1 is located in intron 4, whereas SAR2 encompasses parts of exons 5-7. The patient breakpoint regions of AF9 share the same structural elements as the MLL BCR. A DNA breakage and repair model for nonhomologous recombination between MLL and its partner genes, particularly AF9, has been proposed.

Molecular Weight: 63351

Gene ID: 4300

NCBI Accession: [NP_004520](#)

UniProt: [P42568](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

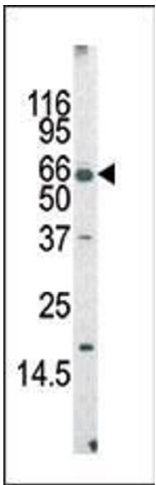
Preservative: Sodium azide

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

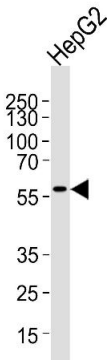
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

Image 1. The anti-MLLT3 Pab (ABIN390129 and ABIN2840634) is used in Western blot to detect MLLT3 in mouse cerebellum tissue lysate



Western Blotting

Image 2. Western blot analysis of lysate from HepG2 cell line, using MLLT3 C-term Antibody (ABIN390129 and ABIN2840634). (ABIN390129 and ABIN2840634) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg per lane.