

Nur für Forschungszwecke

MLLT3/AF9 Polyklonaler Antikörper

Katalog-Nr.:12825-1-AP



Allgemeine Informationen

Katalog-Nr.: 12825-1-AP	GenBank-Zugangsnummer: BC036089	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 500 µg/ml von Nanodrop und 400 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 4300	Empfohlene Verdünnungen: WB 1:500-1:1000
Wirt: Kaninchen	Vollständiger Name: myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 3	
Isotyp: IgG	Berechnete Masse: 568 aa, 63 kDa	
Immunogen Katalognummer: AG3528	Beobachtete Masse: 63-70 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB: Jurkat-Zellen, HL-60-Zellen
Getestete Reaktivität: Human, Maus, Ratte	

Hintergrundinformationen

MLLT3, also named as AF9, YEATS3, is a 568 amino acid protein, which is a component of the superelongation complex6 and co-operates with DOT1L, which di/trimethylates H3K79 to promote transcription. MLLT3 localizes to active transcription start sites (TSSs) through the YEATS domain, which recognizes active histone marks such as H3K9 acetylation and crotonylation. A truncated MLLT3 that lacks the YEATS domain forms a leukaemic fusion protein with the N terminus of MLL1, which misdirects MLLT3-interacting complexes to induce aberrant gene transcription. MLLT3 also regulates erythroid or megakaryocytic progenitors and was identified as a definitive HSC hub gene during mouse development. Researcher found that the expression of a gene called MLLT3 was closely correlated with blood stem cells'potential to self-renew and that the protein generated by the MLLT3 gene provides blood stem cells with the instructions necessary to maintain its ability to self-renew. It does this by working with other regulatory proteins to keep important parts of the blood stem cell's machinery operational as the cells divide.

Lagerung

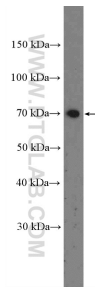
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
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Ausgewählte Validierungsdaten



Jurkat cells were subjected to SDS PAGE followed by western blot with 12825-1-AP (MLLT3/AF9) antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.