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MLLT3/AF9 Rabbit pAb

货号: **AYP16591**

产品信息

反应	Human
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB
推荐浓度	WB: 1:500 - 1:2000
理论分子量	63kDa
实测分子量	70kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	THP-1,Jurkat,A-549
细胞定位	Nucleus
纯化	Affinity purification

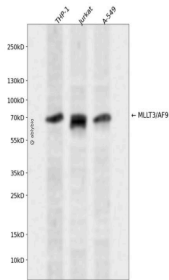
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-150 of human MLLT3/AF9 (NP_004520.2).
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靶点信息

研究背景	Chromatin reader component of the super elongation complex (SEC, a complex required to increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA. Specifically recognizes and binds acetylated histone H3, with a preference for histone H3 that is crotonylated. Crotonylation marks active promoters and enhancers and confers resistance to transcriptional repressors. Recognizes and binds histone H3 crotonylated at 'Lys-9' (H3K9cr, and with slightly lower affinity histone H3 crotonylated at 'Lys-18' (H3K18cr. Also recognizes and binds histone H3 acetylated and butyrylated at 'Lys-9' (H3K9ac and H3K9bu, respectively, but with lower affinity than crotonylated histone H3. In the SEC complex, MLLT3 is required to recruit the complex to crotonylated histones. Recruitment of the SEC complex to crotonylated histones promotes recruitment of DOT1L on active chromatin to deposit histone H3 'Lys-79' methylation (H3K79me. Plays a key role in hematopoietic stem cell (HSC) maintenance by preserving, rather than conferring, HSC stemness. Acts by binding to the transcription start site of active genes in HSCs and sustaining level of H3K79me2, probably by recruiting DOT1L.
基因ID	4300
基因名	MLLT3
Swiss	P42568 (https://www.uniprot.org/uniprotkb/P42568/entry)
别名	MLLT3,AF9,YEATS3,MLLT3/AF9 Rabbit pAb,ALL1-fused gene from chromosome 9 protein,Myeloid/lymphoid or mixed-lineage leukemia translocated to chromosome 3 protein,YEATS domain-containing protein 3

产品验证



Western blot analysis of MLLT3/AF9 expressed in THP-1, Jurkat, A-549 using MLLT3/AF9 Rabbit pAb at 1:100. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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