

Rabbit AF9 (MLLT3) Polyclonal Antibody | anti-MLLT3 antibody

AF9 (MLLT3) Antibody (C-term K486)

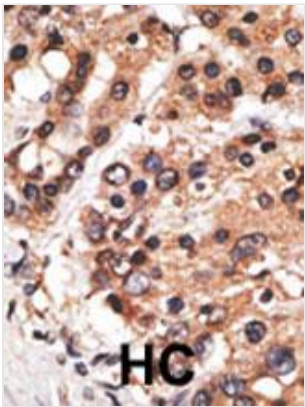
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285752	Rabbit	Human (Predicted Reactivity: Mouse)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

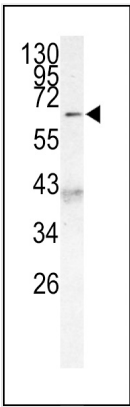
AF9 (MLLT3); Polyclonal Antibody; AF9 (MLLT3) Antibody (C-term K486); Protein AF-9; ALL1-fused gene from chromosome 9 protein; Myeloid/lymphoid or mixed-lineage leukemia translocated to chromosome 3 protein; YEATS domain-containing protein 3; MLLT3; AF9; YEATS3; anti-MLLT3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AF9 (MLLT3) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 471-502 amino acids from the C-terminal region of human AF9 (MLLT3).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	471-502
Sequence Length	568
Applicable Applications for anti-MLLT3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of AF9 (MLLT3) Antibody (C-term K486) in 293 cell line lysates (35ug/lane). MLLT3(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-MLLT3 antibody	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 1 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.
References	Iida, S., et al., Oncogene 8(11):3085-3092 (1993). Nakamura, T., et al., Proc. Natl. Acad. Sci. U.S.A. 90(10):4631-4635 (1993). Strissel, P. L., et al., Hum. Molec. Genet. 9: 1671-1679 (2000).

NCBI AND UNIPROT INFORMATION

NCBI GI #	156104889
NCBI GeneID	4300
NCBI Accession #	NP_004520.2
NCBI GenBank Nucleotide #	NM_004529.3
UniProt Accession #	P42568; Q8IVB0; B1AMQ2; B2R7B3; B7Z755; D3DRJ8
Molecular Weight	63351
NCBI Official Full Name	protein AF-9 isoform a
NCBI Official Synonym Full Names	myeloid/lymphoid or mixed-lineage leukemia; translocated to, 3
NCBI Official Symbol	MLLT3
NCBI Official Synonym Symbols	AF9; YEATS3
NCBI Protein Information	protein AF-9
UniProt Protein Name	Protein AF-9
UniProt Gene Name	MLLT3

UniProt Synonym Gene Names	AF9; YEATS3
UniProt Entry Name	AF9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/af9-mlt3-antibody-immunohistochemistry-western-blot-elisa/285752>