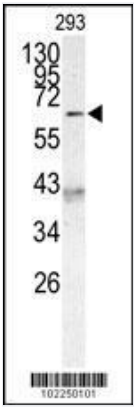
AF9 Antibody – Rabbit Polyclonal

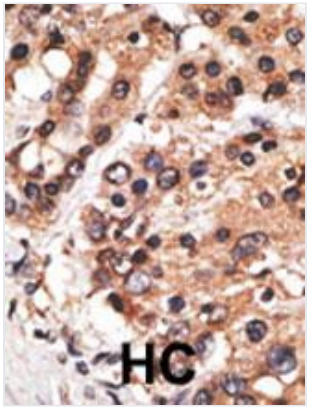
PRODUCT OVERVIEW

Product Name	AF9, Polyclonal Antibody
Full Product Name	AF9, CT (K486) (MLLT3, AF9, YEATS3, 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) (FITC)
Product Gene Name	anti-AF9 antibody
Product Synonym Gene Name	MLLT3
Product Synonym Names	MLLT3; AF9; YEATS3; 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
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	568
OMIM	159558
3D Structure	ModBase 3D Structure for P42568
Immunogen	AF9 (MLLT3) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 479~509 amino acids from the C-terminal region of human MLLT3.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-AF9 antibody	Antibodies; Cancer Markers; Leukemia
Applications Tested/Suitable for anti-AF9 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-AF9 antibody	IHC: 1:50-100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-AF9 antibody	MBS6272050 is an antibody targeting AF9. Also known as AF9, CT (K486) (MLLT3, AF9, YEATS3, 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) (FITC). Reactive in Human. Host: Rabbit.

Product References and Citations for anti-AF9 antibody	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).
Other Notes	Small volumes of anti-AF9 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-AF9 antibody
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.



Immunohistochemistry (IHC) of anti-AF9 antibody
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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AF9. It may not necessarily be applicable to this product.

NCBI GI #	215273971
NCBI GeneID	4300
NCBI Accession #	P42568.2
UniProt Primary Accession #	P42568
UniProt Secondary Accession #	Q8IVB0; B1AMQ2; B2R7B3; B7Z755; D3DRJ8
UniProt Related Accession #	P42568
NCBI Official Full Name	Protein AF-9
NCBI Official Synonym Full Names	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 3
NCBI Official Symbol	MLLT3
NCBI Official Synonym Symbols	AF9; YEATS3
UniProt Protein Name	Protein AF-9
UniProt Synonym Protein Names	ALL1-fused gene from chromosome 9 protein; Myeloid/lymphoid or mixed-lineage leukemia translocated to chromosome 3 protein; YEATS domain-containing protein 3
Protein Family	FMRFamide-like neuropeptide
UniProt Gene Name	MLLT3
UniProt Synonym Gene Names	AF9; YEATS3
UniProt Entry Name	AF9_HUMAN
NCBI Protein Information	protein AF-9; YEATS domain-containing protein 3; ALL1-fused gene from chromosome 9 protein; myeloid/lymphoid or mixed-lineage leukemia translocated to chromosome 3 protein; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog); translocated to, 3

UniProt Comments for AF9	MLLT3: A chromosomal aberration involving MLLT3 is associated with acute leukemias. Translocation t(9;11)(p22;q23) with MLL/HRX. The result is a rogue activator protein. Protein type: Cell development/differentiation; Oncoprotein Chromosomal Location of Human Ortholog: 9p22 Cellular Component: transcription elongation factor complex; nucleus Molecular Function: protein binding Biological Process: anterior/posterior pattern formation; segment specification; regulation of transcription, DNA-dependent; transcription, DNA-dependent
Research Articles on AF9	**1.** AF9 and its homolog ENL directly interact with AF4.
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