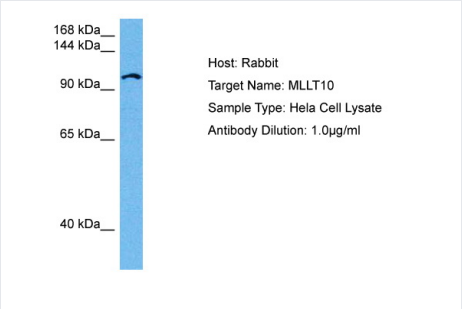
MLLT10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MLLT10, Polyclonal Antibody
Full Product Name	MLLT10 Antibody - middle region
Product Gene Name	anti-MLLT10 antibody
Product Synonym Gene Name	AF10
Immunogen Sequence	Synthetic peptide located within the following region: KGNKQSKHGP GRPKGNKNQE NVSHLSVSSA SPTSSVASAA GSITSSSLQK
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	MLLT10 peptide (MBS3245248) is used for blocking the activity of MLLT10 antibody (MBS3220447)
Molecular Weight	112 kDa
OMIM	602409
3D Structure	ModBase 3D Structure for P55197
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human MLLT10
Product Categories/Family for anti-MLLT10 antibody	Polyclonal; Transcription Factor; Chromatin & Nuclear Signaling; Disease Related
Applications Tested/Suitable for anti-MLLT10 antibody	Western Blot (WB)
Related Product Information for anti-MLLT10 antibody	This gene encodes a transcription factor and has been identified as a partner gene involved in several chromosomal rearrangements resulting in various leukemias. Multiple transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of anti-MLLT10 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.
Searchable Terms for MLLT10 purchase	MBS3220447 is an antibody targeting MLLT10. Also known as MLLT10 Antibody - middle region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MLLT10 antibody
Host: RabbitTarget Name: MLLT10Sample Tissue: Human Hela Whole Cell lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MLLT10. It may not necessarily be applicable to this product.

NCBI GI #	307548832
NCBI GeneID	8028
NCBI Accession #	NP_001182555.1
UniProt Primary Accession #	P55197
UniProt Related Accession #	P55197
GenBank Nucleotide #	NM_001195626.1
NCBI Official Full Name	protein AF-10 isoform c
NCBI Official Synonym Full Names	MLLT10 histone lysine methyltransferase DOT1L cofactor
NCBI Official Symbol	MLLT10
NCBI Official Synonym Symbols	AF10
UniProt Protein Name	Protein AF-10
UniProt Synonym Protein Names	ALL1-fused gene from chromosome 10 protein
Protein Family	Protein
UniProt Gene Name	MLLT10
UniProt Synonym Gene Names	AF10
UniProt Entry Name	AF10_HUMAN
NCBI Protein Information	protein AF-10

UniProt Comments for MLLT10	MLLT10: Probably involved in transcriptional regulation. In vitro or as fusion protein with MLL has transactivation activity. Binds to cruciform DNA. A chromosomal aberration involving MLLT10 is associated with acute leukemias. Translocation t(10;11)(p12;q23) with MLL/HRX. The result is a rogue activator protein. A chromosomal aberration involving MLLT10 is associated with diffuse histiocytic lymphomas. Translocation t(10;11)(p13;q14) with PICALM. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Oncoprotein; Transcription factor Chromosomal Location of Human Ortholog: 10p12 Cellular Component: nucleoplasm; cytoplasm Molecular Function: protein binding; DNA binding; zinc ion binding; transcription factor activity Biological Process: transcription, DNA-dependent; positive regulation of transcription from RNA polymerase II promoter Disease: Leukemia, Acute Myeloid
Research Articles on MLLT10	**1.** In vitro, the overexpression of MLLT10 promoted colorectal cancer (CRC) cell migration and invasion, while after MLLT10 was knocked down, the opposite results were observed. In lung metastasis sites, the knockdown of MLLT10 in SW620 cells significantly inhibited Vimentin expression, whereas the E-Cadherin was increased. These results indicate that MLLT10 regulates the metastasis of CRC cells via EMT.
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