



Anti-MLLT10 polyclonal antibody (CABT-BL2445)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	The antiserum was produced against synthesized peptide derived from internal of human AF10.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Conjugate	Unconjugated
Applications	WB, ELISA
Buffer	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preservative	0.02% Sodium Azide
Storage	Store at -20°C/1 year

BACKGROUND

Introduction	This gene encodes a transcriptional coactivator that plays an essential role in regulating gene expression during early development and hematopoiesis. The encoded protein contains multiple conserved functional domains. One of these domains, the SET domain, is responsible for its histone H3 lysine 4 (H3K4) methyltransferase activity which mediates chromatin modifications associated with epigenetic transcriptional activation. This protein is processed by
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the enzyme Taspase 1 into two fragments, MLL-C and MLL-N. These fragments reassociate and further assemble into different multiprotein complexes that regulate the transcription of specific target genes, including many of the HOX genes. Multiple chromosomal translocations involving this gene are the cause of certain acute lymphoid leukemias and acute myeloid leukemias. Alternate splicing results in multiple transcript variants.

GENE INFORMATION

Entrez Gene ID	8028
Protein Refseq	NP_001182555
UniProt ID	P55197
