



## Mouse anti-Human CBFA2T2 monoclonal antibody, clone 4H9 (CABT-B9902)

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

### PRODUCT INFORMATION

<b>Immunogen</b>	CBFA2T2 (NP_001028171, 201 a.a. ~ 304 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	4H9
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA
<b>Sequence Similarities</b>	LLLNTSIASPADSSELLMEVHGNGKRPSPERREENSFDRDTIAPEPPAKRVCTISPAPRH SPALTVPPLMNPQQFHPTPPPLQHYTLEDIATSHLYREPNKMLE*
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### BACKGROUND

<b>Introduction</b>	In acute myeloid leukemia, especially in the M2 subtype, the t(8;21)(q22;q22) translocation is one of the most frequent karyotypic abnormalities. The translocation produces a chimeric gene
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made up of the 5-region of the RUNX1 (AML1) gene fused to the 3-region of the CBFA2T1 (MTG8) gene. The chimeric protein is thought to associate with the nuclear corepressor/histone deacetylase complex to block hematopoietic differentiation. The protein encoded by this gene binds to the AML1-MTG8 complex and may be important in promoting leukemogenesis. Several transcript variants are thought to exist for this gene, but the full-length natures of only three have been described. [provided by RefSeq, Jul 2008]

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<b>Keywords</b>	CBFA2T2; core-binding factor, runt domain, alpha subunit 2; translocated to, 2; EHT; p85; MTGR1; ZMYND3; protein CBFA2T2; MTG8-like protein; MTG8-related protein 1; ETO homolog on chromosome 20; ETO homologous on chromosome 20; myeloid translocation-related protein 1; myeloid translocation gene-related protein 1;
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## GENE INFORMATION

Entrez Gene ID	<a href="#">9139</a>
UniProt ID	<a href="#">O43439</a>
Function	metal ion binding; protein binding; sequence-specific DNA binding transcription factor activity; transcription corepressor activity; zinc ion binding

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