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# Datasheet for ABIN2780644 anti-CBFA2T2 antibody (N-Term)

2 Images



#### Overview

Quantity:	100 µL
Target:	CBFA2T2
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBFA2T2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human
Sequence:	CBFA2T2 AKESGISLKE IQVLARQWKV GPEKRVPAMP GSPVEVKIQS RSSPPTMPPL
Predicted Reactivity:	Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against CBFA2T2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	CBFA2T2

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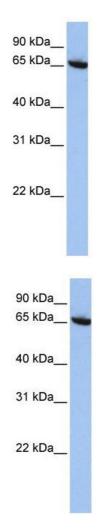
Alternative Name:	CBFA2T2 (CBFA2T2 Products)
Alternative Name: Background:	CBFA2T2 (CBFA2T2 Products) In acute myeloid leukemia, especially in the M2 subtype, the t(8,21)(q22,q22) translocation is one of the most frequent karyotypic abnormalities. The translocation produces a chimeric gene made up of 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. CBFA2T2 binds to the AML1-MTG8 complex and may be important in promoting leukemogenesis. 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 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. Alias Symbols: DKFZp313F2116, EHT, MTGR1, ZMYND3, p85
	Protein Interaction Partner: PRDM14, PDP1, CBFA2T2, TCP1, MDFI, RUNX1T1, LBP, APP, ATXN1L, ATN1, RERE, RUNX1, SIN3A, NCOR1, HDAC3, FBXL19, TAL2, NEUROG1, ID3, GTF2E1, WDYHV1, CBFA2T3, NCOR2, CBFB, TAL1, Protein Size: 604
Molecular Weight:	67 kDa
Gene ID:	9139
NCBI Accession:	NM_005093, NP_005084
UniProt:	043439
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 604 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid

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#### Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Images



### Western Blotting

**Image 1.** WB Suggested Anti-CBFA2T2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate CBFA2T2 is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells

Western Blotting		
Image 2. WB Suggested Anti-CBFA2T2		
Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.12500		
Positive Control: HepG2 cell lysate		
CBFA2T2 is strongly supported by BioGPS gene expression		
data to be expressed in Human HepG2 cells		

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