



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



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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 CBFA2T2
Sequence:	AKESGISLKE IQVLARQWKV GPEKRV PAMP GSPVEVKIQS RSPPTMPPL
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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Target Details

Alternative Name: CBFA2T2 ([CBFA2T2 Products](#))

Background: 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, CBF, TAL1,

Protein Size: 604

Molecular Weight: 67 kDa

Gene ID: 9139

NCBI Accession: [NM_005093](#), [NP_005084](#)

UniProt: [O43439](#)

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

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 µg/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