

Product datasheet for **TA343502**

MTGR1 (CBFA2T2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-CBFA2T2 antibody: synthetic peptide directed towards the N terminal of human CBFA2T2. Synthetic peptide located within the following region: AKESGISLKEIQVLARQWKVGPEKRV PAMPGSPVEVKIQSRSSPPTMPPL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	67 kDa
Gene Name:	CBFA2/RUNX1 translocation partner 2
Database Link:	NP_005084 Entrez Gene 9139 Human O43439



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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 nature of only three have been described.

Synonyms:

EHT; MTGR1; p85; ZMYND3

Note:

Immunogen Sequence Homology: Human: 100%

Protein Families:

Transcription Factors

Product images:


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