

# **Product datasheet for TA343502**

## MTGR1 (CBFA2T2) Rabbit Polyclonal Antibody

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
lsotype:	lgG
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: AKESGISLKEIQVLARQWKVGPEKRVPAMPGSPVEVKIQSRSSPPTMPPL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.
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:	<u>NP_005084</u> <u>Entrez Gene 9139 Human</u> <u>O43439</u>



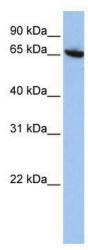
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#### **GRIGENE** MTGR1 (CBFA2T2) Rabbit Polyclonal Antibody – TA343502

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)(g22;g22) 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 fulllength natures 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

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