

## Datasheet for ABIN7113056 **anti-CBFA2T2 antibody**



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### Overview

Quantity:	100 µg
Target:	CBFA2T2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBFA2T2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

### Product Details

Immunogen:	core-binding factor, runt domain, alpha subunit 2, translocated to, 2
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	CBFA2T2
Alternative Name:	CBFA2T2 ( <a href="#">CBFA2T2 Products</a> )
Background:	Synonyms:EHT, MTGR1 Background:Transcriptional corepressor which facilitates transcriptional repression via its association with DNA-binding transcription factors and recruitment of other corepressors and histone-modifying enzymes(PubMed:12559562, PubMed:15203199). Via association with PRDM14 is involved in regulation of embryonic stem

## Target Details

cell(ESC) pluripotency(PubMed:27281218). Involved in primordial germ cell(PCG) formation. Stabilizes PRDM14 and OCT4 on chromatin in a homooligomerization-dependent manner(By similarity). Can repress the expression of MMP7 in a ZBTB33-dependent manner(PubMed:23251453). May function as a complex with the chimeric protein RUNX1/AML1-CBFA2T1/MTG8(AML1-MTG8/ETO fusion protein) which is produced in acute myeloid leukemia with the chromosomal translocation t(8,21). May thus be involved in the repression of AML1-dependent transcription and the induction of G-CSF/CSF3-dependent cell growth. May be a tumor suppressor gene candidate involved in myeloid tumors with the deletion of the 20q11 region. Through heteromerization with CBFA2T3/MTG16 may be involved in regulation of the proliferation and the differentiation of erythroid progenitors by repressing the expression of TAL1 target genes(By similarity). Required for the maintenance of the secretory cell lineage in the small intestine. Can inhibit Notch signaling probably by association with RBPJ and may be involved in GF11-mediated Paneth cell differentiation(By similarity).

Molecular Weight: 85kd

Gene ID: 9139

UniProt: [O43439](#)

## Application Details

Application Notes: WB: 1:500-1:2000, IHC: 1:20-1:200

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months