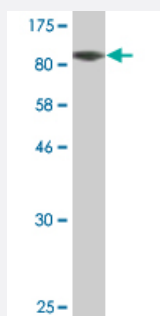


CBFA2T2 monoclonal antibody (M42), clone 3H3

Catalog # H00009139-M42

Size 100 ug

Applications



Western Blot detection against Immunogen (93.28 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant CBFA2T2.

Immunogen

CBFA2T2 (AAH40344, 1 a.a. ~ 614 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MGFHHVGQARLELLTSGDLPALASQRAGITVGPEKRV PAMPGSPVEVKIQSRSSPPTMPPLPPIN
PGGPRPVSFTPTALSNGINHSPPTLNGAPSPQRF SNGPASSTSSALTNQQLPATCGARQLSKLK
RFLTTLQQFGNDISPEIGEKVRTLV LALVNSTVTIEEFHCKLQEATNFPLRPFVIPFLKANLPLLQRE
LLHCARAAKQTPSQYLAQHEHLLLNTSIASPADSSELLMEVHGNGKRPSPERREENSFDRDTIAP
EPPAKRVCTISPAPRHSPALTVPLMNPGGQFHPTPPPLQHYTLEDIATSHLYREPKNMLEHREVR
DRHHSGLNGGYQDELVDHRLTEREWADEWKHLDHALNCIMEMVEKTRRSM AVLRRCCQGS DR
EELNYWKRRYNENTELRKTGT ELVSRQHSPGSADSLSNSQREFNSRPGTGYVPVEFWKKTEE
AVNKVKIQAMSEVQKAVAEAEQKAFEVIATERARMEQTIADV KRQAAEDAF LVINEQEESTENCW
NCGRKASETCSGCNIARYCGSFCQHKDWERHHRLCGQNLHGQSPHGQGRPLL PVGRGSSARS
ADCSVPSPALDKTSATTSRSSTPASVTAIDTNGL

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (95); Rat (94)

Isotype

IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (93.28 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CBFA2T2

Entrez GeneID

[9139](#)

GeneBank Accession#

[BC040344](#)

Protein Accession#

[AAH40344](#)

Gene Name

CBFA2T2

Gene Alias

DKFZp313F2116, EHT, MTGR1, ZMYND3

Gene Description

core-binding factor, runt domain, alpha subunit 2; translocated to, 2

Omim ID

[603672](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

ETO homolog on chromosome 20|MTG8-like protein|OTTHUMP00000030653|myeloid translocation gene-related protein 1