

ETO Antibody

ALTERNATE NAMES: RUNX1T1, AML1T1, CBFA2T1, CDR, MTG8, ZMYND2

CATALOG #: 6834-50

AMOUNT: 50 µl

HOST/ISOTYPE: Rabbit

IMMUNOGEN: Polyclonal antibody against human ETO using two KLH-conjugated synthetic peptides containing sequences from the N-terminal and the central region of the protein, respectively.

FORM: Liquid

FORMULATION: In PBS with 0.05% (W/V) sodium azide.

PURIFICATION: Whole antiserum from rabbit

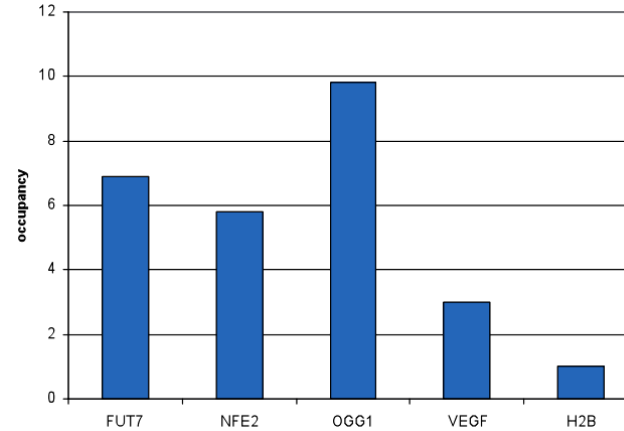
SPECIES REACTIVITY: Human.

STORAGE CONDITIONS: Store at -20°C; for long storage, store at -80°C. Avoid multiple freeze-thaw cycles.

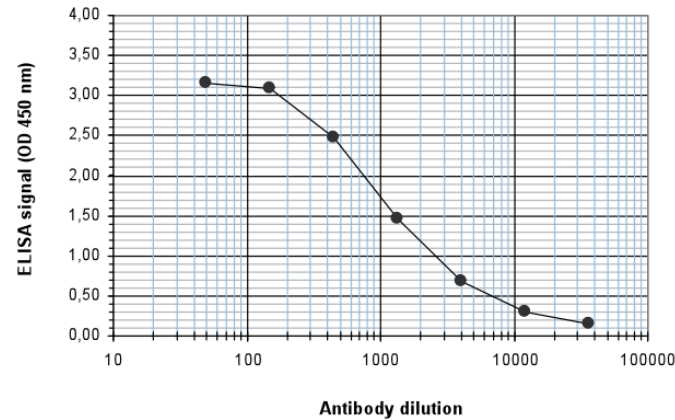
DESCRIPTION: ETO is a transcriptional regulator which belongs to the myeloid translocation gene family. ETO exerts its function by interaction with transcription factors bound to promoters and binding to histone deacetylases. It recruits a range of corepressors to facilitate transcriptional repression. The t (8;21)(q22;q22) translocation is one of the most frequent karyotypic abnormalities in acute myeloid leukemia. This translocation produces a chimeric gene made up of the 5'-region of AML1 and the 3'-region of the ETO gene. The chimeric protein is thought to associate with the nuclear corepressor/histone deacetylase complex to block hematopoietic differentiation.

APPLICATION: ChIP: 4 µl/ChIP, ELISA: 1:100.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



ChIP assays were performed using SKNO-1 cells, the antibody and optimized primer pairs for qPCR. Sheared chromatin from 1.25 million cells and 4 µl of antibody were used per ChIP experiment. QPCR was performed using primers specific for the FUT7, NFE2, OGG1 and VEGF genes. Figure 1 shows the occupancy, calculated as the ratio + control/background for which the H2B gene was used.



An ELISA was performed using a serial dilution of the antibody. The plates were coated with the peptide used for immunization of the rabbit. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be 1:1300.

RELATED PRODUCTS:

- Runx2 Antibody (Cat # 6773-100)
- Runx1-ETO Antibody (Cat # 6829-50)
- DNA Binding Protein-7 (DBP-7) Antibody (Cat # 3933-100)
- DNA Binding Protein-7 (DBP-7), human recombinant (Cat # 7603-20, -100, -1000)

FOR RESEARCH USE ONLY! Not to be used on humans.

