

Runx1-ETO Antibody

ALTERNATE NAMES: AML1-ETO

CATALOG #: 6829-50

AMOUNT: 50 µl

HOST/ISOTYPE: Rabbit

IMMUNOGEN: Polyclonal antibody raised in rabbit against the Runx1-ETO fusion protein using a KLH-conjugated synthetic peptide.

FORM: Liquid

FORMULATION: In PBS containing 0.05% azide.

PURIFICATION: Whole antiserum from rabbit

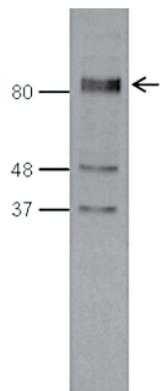
SPECIES REACTIVITY: Human.

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

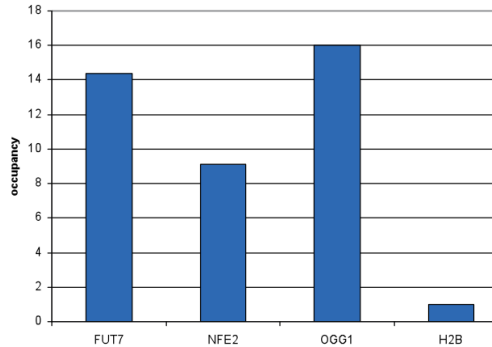
DESCRIPTION: This antibody specifically recognizes the AML1 (RUNX1) - ETO (RUNX1T1) fusion protein that arises due to a translocation between chromosome 8 and 22 (t(8;21)(q22;q22)). This translocation is one of the most frequent karyotypic abnormalities observed in acute myeloid leukemia. It produces a chimerical gene made up of the 5'-region of AML1 and the 3'-region of ETO. The chimerical protein is thought to associate with the nuclear corepressor/histone deacetylase complex to block hematopoietic differentiation.

APPLICATION: ChIP: 4 µg/ChIP, WB: 1:1000, ELISA: 1:500.

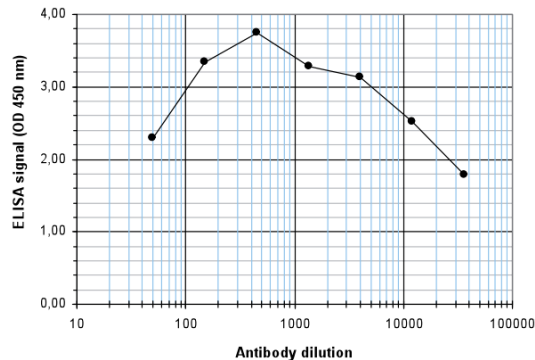
Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Nuclear extracts of SKNO-1 cells (15 µg) were analysed by WB blot using the antibody. The molecular weight marker is shown on the left; the location of the protein of interest is indicated on the right.



ChIP assays were performed using Kasumi cells and the antibody and optimized PCR primer sets for qPCR. The Fig shows the occupancy, calculated as the ratio + control/background for which the promoter of the H2B gene was used.



To determine the titer, an ELISA was performed using a serial dilution of the antibody. The antigen used was a peptide containing the histone modification of interest. By plotting the absorbance against the antibody dilution the titer of the antibody was estimated to be 1:32,750.

RELATED PRODUCTS:

- Runx2 Antibody (Cat # 6773-100)
- 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.

