

Datasheet for ABIN6655575
anti-RUNX1T1 antibody (Internal Region, N-Term)



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6 Images

Overview

Quantity:	100 µL
Target:	RUNX1T1
Binding Specificity:	Internal Region, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RUNX1T1 antibody is un-conjugated
Application:	ELISA, Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	Immunogen: Anti-ETO Antibody was produced in rabbits by repeated immunizations with human ETO using two synthetic peptides containing sequences from the N-terminal and internal region of the protein respectively. Immunogen Type: Peptide
Purification:	Anti-ETO Antibody is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration. This product reacts with human ETO. Cross reactivity with ETO from other sources is not known.

Target Details

Target:	RUNX1T1
Alternative Name:	ETO (RUNX1T1 Products)

Target Details

Background: Synonyms: Protein CBFA2T1, Cyclin-D-related protein, Eight twenty one protein, Protein ETO, Protein MTG8, Zinc finger MYND domain-containing protein 2, AML1T1, CBFA2T1, CDR, ETO, MTG8, ZMTND2

Background: 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 leukaemia. 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. Anti-ETO Antibody is ideal for research in Gene Expression, Transcription and Cancer.

Gene Name: RUNX1T1

Gene ID: 862

NCBI Accession: [NP_001185554](#)

UniProt: [Q06455](#)

Application Details

Application Notes: Application Note: Anti-ETO Antibody is suitable for Chromatin Immunoprecipitation and ELISA. Specific conditions for reactivity should be optimized by the end user.

ChIP Dilution: 4 µL/ChIP

ELISA Dilution: 1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 0.01 % (w/v) Sodium Azide

Stabilizer: None

Preservative: Sodium azide

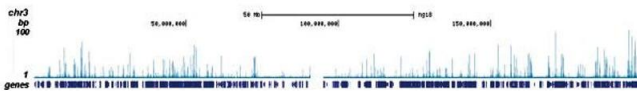
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: RT,4 °C,-20 °C

Handling

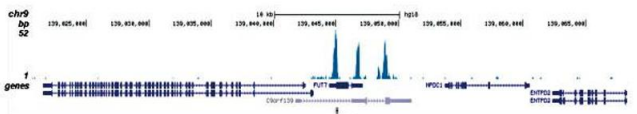
Storage Comment: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Images



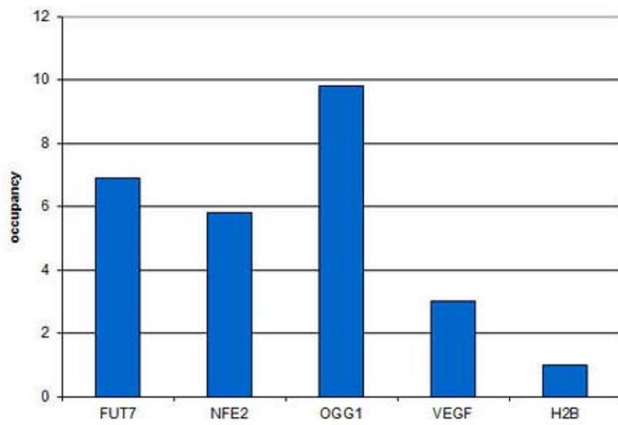
ChIP DNA-Sequencing

Image 1. ChIP-seq results of anti-ETO ChIP-seq results of anti-ETO antibody. ChIP was performed as described in figure 1. The IP'd DNA of 6 ChIP's were pooled and analyzed with an Illumina Genome Analyzer. Library preparation, cluster generation, and sequencing were performed according to the manufacturer's instructions. The 32 bp tags were aligned to the human reference genome (hg18) using the ELAND algorithm. Figure 2 shows the results of the complete chromosome 3. Figures 3-5 shows three genomic regions surrounding the OGG1, FUT7 and NFE2 genes, respectively. The position of the PCR amplicon is indicated with an arrow.



ChIP DNA-Sequencing

Image 2. ChIP-seq results of anti-ETO ab ChIP-seq results of anti-ETO antibody. ChIP was performed as described in figure 1. The IP'd DNA of 6 ChIP's were pooled and analysed with an Illumina Genome Analyzer. Library preparation, cluster generation, and sequencing were performed according to the manufacturer's instructions. The 32 bp tags were aligned to the human reference genome (hg18) using the ELAND algorithm. Figure 2 shows the results of the complete chromosome 3. Figures 3-5 shows three genomic regions surrounding the OGG1, FUT7 and NFE2 genes, respectively. The position of the PCR amplicon is indicated with an arrow.



Chromatin Immunoprecipitation

Image 3. Chromatin Immunoprecipitation of Anti-human ETO Antibody Chromatin Immunoprecipitation results of Rabbit Anti-human ETO Antibody. Chromatin from 1.25 million formaldehyde cross-linked SKNO-1 cells was used with 4ul of Anti-human ETO Antibody and 20ul of magnetic IgG beads per immunoprecipitation. QPCR was performed using primers specific for the FUT7, NFE2, OGG1 and VEGF genes. ChIP results shows the occupancy, calculated as the ratio + control/background for which the H2B gene was used.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6655575.