

Product datasheet

Anti-RUNX1T1/ETO/CDR antibody - ChIP Grade
 ab195329

2 Images

Overview

Product name	Anti-RUNX1T1/ETO/CDR antibody - ChIP Grade
Description	Rabbit polyclonal to RUNX1T1/ETO/CDR - ChIP Grade
Host species	Rabbit
Tested applications	Suitable for: CHIPseq, ChIP
Species reactivity	Reacts with: Human
Immunogen	<p>This product was produced with the following immunogens:</p> <p>Synthetic peptide within Human RUNX1T1/ETO/CDR aa 50-100 (N terminal) conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Database link: Q06455</p> <p>Synthetic peptide within Human RUNX1T1/ETO/CDR aa 250-300 (internal sequence) conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Database link: Q06455</p>
Positive control	Chromatin from SKNO-1 cells
General notes	This product was previously labelled as RUNX1T1 / ETO

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab195329** in the following tested applications.

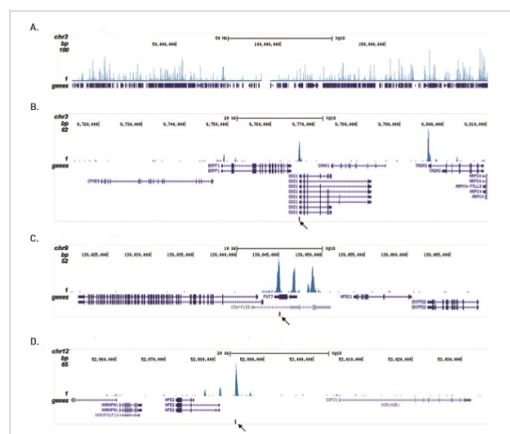
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ChIPseq		Use at an assay dependent concentration. Use 4 µl per reaction.
ChIP		Use at an assay dependent concentration. 4 µL/ChIP

Target

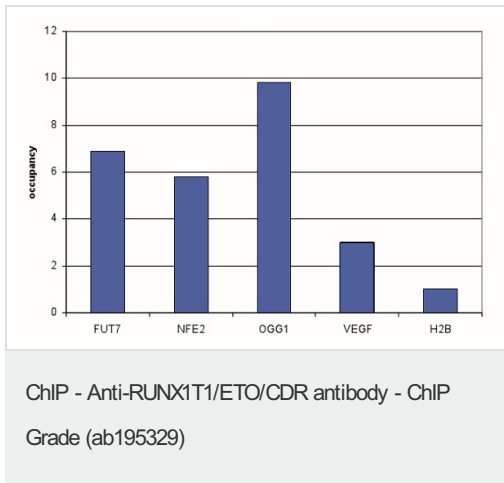
Function	Transcription regulator that exerts its function by binding to histone deacetylases and transcription factors. Can repress transactivation mediated by TCF12.
Tissue specificity	Most abundantly expressed in brain. Lower levels in lung, heart, testis and ovary.
Involvement in disease	Note=A chromosomal aberration involving RUNX1T1 is a cause of acute myeloid leukemia (AML-M2). Translocation t(8;21)(q22;q22) with RUNX1/AML1. Defects in RUNX1T1 may be a cause of colorectal cancer (CRC) [MIM:114500].
Sequence similarities	Belongs to the CBFA2T family. Contains 1 MYND-type zinc finger. Contains 1 TAFH (NHR1) domain.
Domain	The TAFH domain mediates interaction with transcription regulators.
Cellular localization	Nucleus.

Images



ChIP - Anti-RUNX1T1/ETO/CDR antibody - ChIP
Grade (ab195329)

ChIP assays were performed using 1.25 million SKNO-1 cells and 4 µL of ab195329. The IP'd DNA of 6 ChIP's was pooled and analysed. The 32 bp tags were aligned to the human reference genome (hg18) using the ELAND algorithm. Image shows the results of the complete chromosome 3 and three genomic regions surrounding the OGG1, FUT7 and NFE2 genes, respectively. The position of the PCR amplicon is indicated with an arrow.



ChIP assays were performed using SKNO-1 cells, ab195329 and optimized primer pairs for qPCR. Sheared chromatin from 1.25 million cells and 4 μ L of antibody were used per ChIP experiment. QPCR was performed using primers specific for the FUT7, NFE2, OGG1 and VEGF genes. Image shows the occupancy, calculated as the ratio + control/background for which the H2B gene was used.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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