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RUNX1T1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10108

Product Information

Application	WB
Primary Accession	Q06455
Other Accession	Q06455, NP_783554, NM_175636
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Zebrafish, Pig, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67566

Additional Information

Gene ID	862
Alias Symbol	CDR, ETO, MTG8, AML1T1, ZMYND2, CBFA2T1
Other Names	Protein CBFA2T1, Cyclin-D-related protein, Eight twenty one protein, Protein ETO, Protein MTG8, Zinc finger MYND domain-containing protein 2, RUNX1T1, AML1T1, CBFA2T1, CDR, ETO, MTG8, ZMYND2
Target/Specificity	RUNX1T1 is a putative zinc finger transcription factor and oncoprotein. 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 gene fused to the 3'-region of this gene. The chimeric protein is thought to associate with the nuclear corepressor/histone deacetylase complex to block hematopoietic differentiation.
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-RUNX1T1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	RUNX1T1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

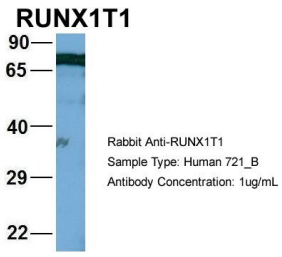
Name	RUNX1T1
Synonyms	AML1T1, CBFA2T1, CDR, ETO, MTG8, ZMYND2

Function	Transcriptional corepressor which facilitates transcriptional repression via its association with DNA-binding transcription factors and recruitment of other corepressors and histone-modifying enzymes (PubMed:10688654, PubMed:12559562, PubMed:15203199). Can repress the expression of MMP7 in a ZBTB33-dependent manner (PubMed:23251453). Can repress transactivation mediated by TCF12 (PubMed:16803958). Acts as a negative regulator of adipogenesis (By similarity). The AML1-MTG8/ETO fusion protein frequently found in leukemic cells is involved in leukemogenesis and contributes to hematopoietic stem/progenitor cell self-renewal (PubMed:23812588).
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00440, ECO:0000269|PubMed:10973986}. Note=Colocalizes with ATN1 in discrete nuclear dots
Tissue Location	Most abundantly expressed in brain. Lower levels in lung, heart, testis and ovary

Background

This is a rabbit polyclonal antibody against RUNX1T1. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).

Images



RUNX1T1 antibody - middle region (AI10108) in Human 721_B cells using Western Blot
Host: Rabbit
Target Name: WT1
Sample Tissue: 721_B
Antibody Dilution: 1.0 µg/mlRUNX1T1 is supported by BioGPS gene expression data to be expressed in 721_B

RUNX1T1 antibody - middle region (AI10108) in Human HepG2 cells using Western Blot
WB Suggested Anti-RUNX1T1 Antibody Titration: 1.25 µg/ml
Positive Control: HepG2 cell lysate
There is BioGPS gene expression data showing that RUNX1T1 is expressed in HepG2