

Product datasheet for **TA344444**

RUNX1T1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-RUNX1T1 antibody: synthetic peptide directed towards the middle region of human RUNX1T1. Synthetic peptide located within the following region: RQCNLQQFIQQTGAALPPPPRPDRGPPGTQGPLPPAREESLLGAPSESHA
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	64 kDa
Gene Name:	RUNX1 translocation partner 1
Database Link:	NP_004340 Entrez Gene 862 Human Q06455



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Background:

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. The protein encoded by this gene 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. Several transcript variants encoding multiple isoforms have been found for this gene.

Synonyms:

AML1T1; CBFA2T1; CDR; ETO; MTG8; ZMYND2

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Human: 100%; Bovine: 100%; Rabbit: 100%; Horse: 93%; Mouse: 93%; Zebrafish: 93%; Guinea pig: 93%; Rat: 86%

Protein Families:

Transcription Factors

Protein Pathways:

Acute myeloid leukemia, Pathways in cancer

Product images:

WB Suggested Anti-RUNX1T1 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1:312500; Positive
Control: 293T cell lysate