

Rabbit DNA nucleotidylexotransferase Polyclonal Antibody | anti-DNTT antibody

Anti-TdT Antibody

CATALOG # AAA46022	HOST Rabbit	REACTIVITY Human. No cross reactivity with other proteins.	APPLICATIONS Western Blot
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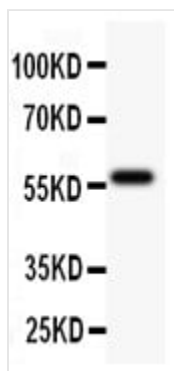
PRODUCT SYNONYMS

DNA nucleotidylexotransferase; Polyclonal Antibody; Anti-TdT Antibody; Deoxynucleotidyltransferase terminal antibody; DNA nucleotidylexotransferase antibody; DNTT antibody; Nucleosidetriphosphate DNA deoxynucleotidylexotransferase antibody; TDT antibody; TDT_HUMAN antibody; Terminal addition enzyme antibody; Terminal deoxynucleotidyltransferase antibody; Terminal deoxyribonucleotidyltransferase antibody; Terminal transferase antibody; anti-DNTT antibody

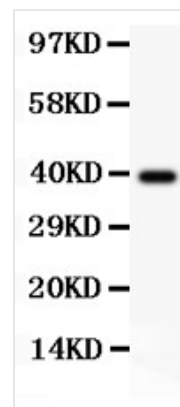
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	508
Applicable Applications for anti-DNTT antibody	WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human TdT recombinant protein (Position: K316-A509). Human TdT shares 81% amino acid (aa) sequence identity with mouse TdT.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES


WB (Western Blot)

Anti-TdT Picoband antibody, AAA46022-2.jpg All lanes: Anti TdT (AAA46022) at 0.5ug/ml WB: JURKAT Whole Cell Lysate at 40ug Predicted bind size: 58KD Observed bind size: 58KD


Application Data

Anti-TdT Picoband antibody, AAA46022-1.jpg All lanes: Anti TdT (AAA46022) at 0.5ug/ml WB: Recombinant Human TdT Protein 0.5ng Predicted bind size: 39KD Observed bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-DNTT antibody	Description: Rabbit IgG polyclonal antibody for DNA nucleotidylexotransferase(DNTT) detection. Tested with WB in Human. Background: Terminal Deoxynucleotidyl Transferase, also known as TDT and terminal transferase, is a unique DNA polymerase without template direction catalyzes the addition of deoxyribonucleotides onto the 3-prime-hydroxyl end of DNA primers. Its gene is mapped to the region 10q23-q24. And TDT cDNA contains an open reading frame of 1,530 basepairs corresponding to a protein containing 510 amino acids. TDT may be responsible for inserting nucleotides (N regions) at the V(H)-D and D-J(H) junctions of immunoglobulin genes. The enzyme is present in immature thymocytes, some bone marrow cells, transformed pre-B and pre-T cell lines, and leukemia cells. Additionally, TDT catalyses the addition of nucleotides to the 3' terminus of a DNA molecule. Unlike most DNA polymerases it does not require a template. The preferred substrate of this enzyme is a 3'-overhang, but it can also add nucleotides to blunt or recessed 3' ends. Cobalt is a necessary cofactor.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	63054852
NCBI GeneID	1791
NCBI Accession #	NP_001017520.1
NCBI GenBank Nucleotide #	NM_001017520.1
UniProt Accession #	P04053; Q53FH1; Q5W103; Q96E50
Molecular Weight	58,408 Da
NCBI Official Full Name	DNA nucleotidylexotransferase isoform 2
NCBI Official Synonym Full Names	DNA nucleotidylexotransferase
NCBI Official Symbol	DNTT
NCBI Official Synonym Symbols	TDT
NCBI Protein Information	DNA nucleotidylexotransferase; terminal transferase; terminal addition enzyme; terminal deoxynucleotidyltransferase; deoxynucleotidyltransferase, terminal; terminal deoxyribonucleotidyltransferase; nucleosidetriphosphate:DNA deoxynucleotidylexotransferase
UniProt Protein Name	DNA nucleotidylexotransferase
UniProt Gene Name	DNTT
UniProt Synonym Gene Names	TDT; Terminal transferase
UniProt Entry Name	TDT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.